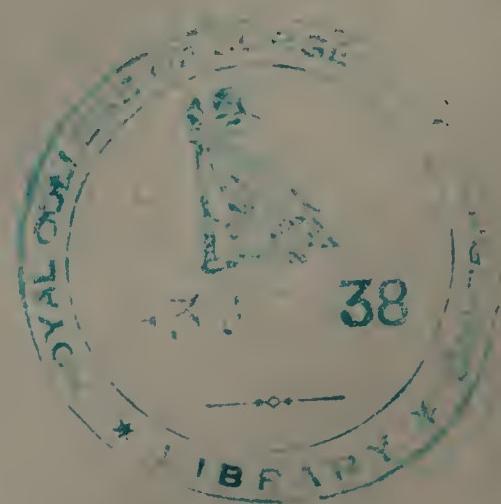


PETER BENT BRIGHAM
HOSPITAL ... BOSTON

TWENTY-THIRD
ANNUAL REPORT
FOR THE YEAR 1936



1937

FORM OF BEQUEST

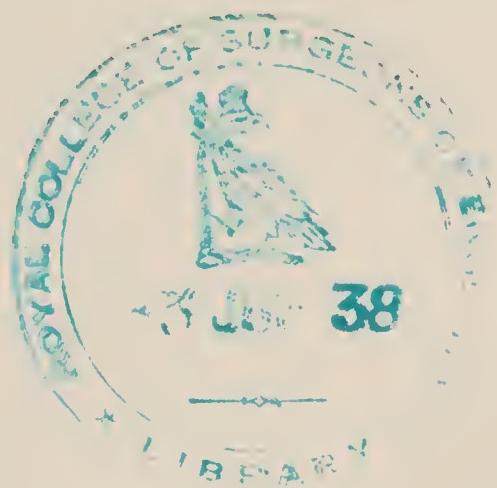
I give and bequeath to the Peter Bent Brigham Hospital, a Corporation established under the laws of the Commonwealth of Massachusetts, the sum of dollars, the same to be used for the furtherance of its charitable work.



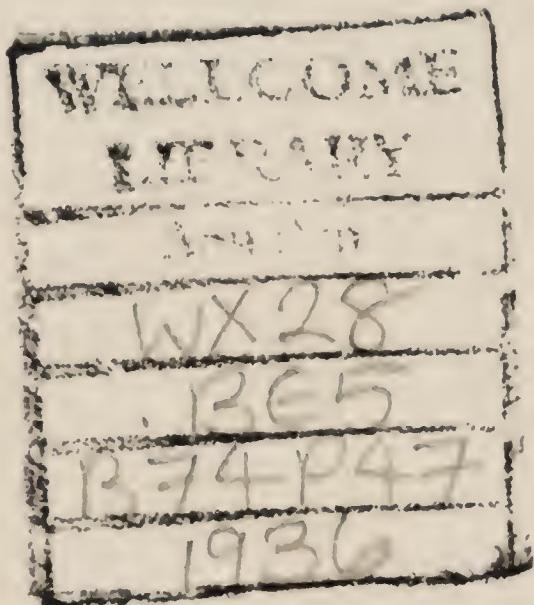
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TWENTY-THIRD ANNUAL REPORT
OF THE
PETER BENT BRIGHAM
HOSPITAL

FOR THE YEAR
1936



1937





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President's Report

THE HOSPITAL suffered great loss in the resignation of Charles P. Curtis, its President from April 15, 1915, to January 9, 1936. He gave liberally of his time and money in making the hospital of high standing and reputation throughout the country.

We were fortunate in having Dr. James E. Paullin as Physician-in-Chief *pro tempore* from February 23 to 29, 1936, and Lord Horder, first Baron of Ashford in a similar capacity May 1 and 2, 1936. The Surgeon-in-Chief *pro tempore* was Dr. Knut Giertz who served from May 16 to May 31, 1936.

During the year, we lost Dr. Reginald Fitz, who went to the Evans Memorial Hospital as Director and Wade Professor of Medicine at Boston University. Doctor Fitz still continues on our staff as Consulting Physician. Dr. David Cheever was granted leave of absence until June, 1937, on account of sickness; also Dr. John Homans was granted a similar leave, being called to Yale as Professor of Surgery. Their work has been carried on by some of our other surgeons and associates in surgery.

The Ladies' Social Service Committee has been of continued help to the hospital, also the ladies on the Nurses' Advisory Committee, who have been most constant in their attendance and helpful in their advice.

The hospital is still absolutely dependent on the Community Federation for its existence, and in spite of their assistance, has had to spend from its capital to keep the hospital running. We were unfortunate

PETER BENT BRIGHAM HOSPITAL

in having had at one time sufficient funds and our trustees and doctors have not been alert in getting people sufficiently interested in the hospital to leave it money when they died or give it money while alive. Many hospitals have continued to grow stronger through the above sources while our loss is real.

We have had several generous donations for special purposes, but these sums have to be spent on special purposes, and while helping the efficiency of the hospital, do not help the finances.

We want to thank the staff and employees for their assistance in the economies that we tried to introduce and to urge them always to be looking for possible economies in order to insure our continued existence.

WILLIAM AMORY,
President.

DECEMBER 31, 1936.

Gifts to the Hospital During the Year 1936

Committee of the Permanent Charity Fund, Inc.:		
For the general purpose of the Social Service Department....\$	2,000.00	
Committee of the Permanent Charity Fund, Inc.:		
For relief cases.....		1,000.00
Arthritic Fund:		
Miss Margery Crothers.....		310.01
Fiction Library Fund:		
Mrs. Randolph Eddy.....\$	5.00	
Miss Elaine Boutwell.....	12.00	
Anonymous	2.79	
Mrs. Bonney L. Dunbar.....	5.00	
Mrs. Amy Hubbard Abbott.....	5.00	
	—————	29.79
Roentgenological Fund:		
Anonymous		75.00
Pernicious Anemia Fund:		
Miss Elizabeth M. Garrett.....		192.54
Social Service Fund:		
Proceeds of Pop Concert sponsored by the Social		
Service Department	\$ 1,445.09	
Anonymous	500.00	
	—————	1,945.09
General Fund:		
Anonymous	\$ 18.00	
Mrs. Kenneth Lincoln.....	49.90	
First National Bank Tr. u/w Samuel Hirschburg	7.00	
	—————	74.90
Boston Council of Social Agencies:		
For Relief of Overseer's cases.....		835.20
Anonymous gift for a free bed:		
In memory of D. W.....		7,000.00
Anonymous gift for a free bed:		
In memory of E. S. B.....		7,000.00
Trustees under Godfrey M. Hyams Trust:		
Gift to be used for the purchase and installation of deep		
Therapy X-Ray equipment.....		4,600.00
Anonymous gift to the Fund for Research in Renal and Vas-		
cular Disease		1,000.00
Elliott C. Cutler Fund:		
Anonymous		2,700.00
Anonymous gift to the Hospital for Improvements in Surgical		
Wards		1,000.00
Emergency Campaign of 1935, final payment of quota for year		
1935		9,929.26
Community Federation of Boston on account of Campaign quota		
including Social Service Department.....		108,887.00

PETER BENT BRIGHAM HOSPITAL

New England Trust Company, Trustee u/w of Photius Fiske for the benefit of poor and needy colored people.....	200.00
Old Colony Trust Company, Trustee under deed of Paul Wylde Jackson, an additional gift to the "Henry Clay Jackson Fund," the income only to be used for the general purposes of the Hospital.....	8,000.00
Merchandise order.....	50.00
Food orders	50.00
	<hr/>
	\$156,878.79

Gifts to the Social Service Special Gift Fund

Mary A. Crabtree Fund..\$ 145.00	Revere Hebrew Ladies
Kings Chapel Sunday	Charitable Association.. 12.00
School	Boston Provident Associa-
Benton Fund	tion 1.45
Mr. John Runkle.....	Anonymous 232.85
Mrs. Grace C. Batchelder	World War Veterans
American Invalid Aid So-	Fund 3.55
ciety	E. M. G..... 5.00
Lend-A-Hand Society....	Frederick E. Weber
Family Welfare Society of	Charities Corp. 126.00
Boston	Mrs. Duncan Jones..... 5.00
Miss Abigail A. Eliot....	Kiwanis Club of Boston.. 30.00
Miss Lucy Lowell.....	Rev. Ferdinand J. Loung-
Mrs. Florence Godwin	way 24.00
Pierce	Miss Christine McLeod... 2.10
Mrs. Martha J. Eustis....	Miss Katherine Homans.. 5.00
Mrs. Elizabeth W. Wil-	Mrs. Mary B. Emery..... 2.00
liams	The Eckley Fund..... 22.68
Mrs. Caroline A. Lyman..	Mrs. F. Douglass Cochrane 5.00
Mrs. Elizabeth F. Under-	The Junior League of Bos-
wood	ton 10.00
We Ten	Mrs. Donald McKay Frost 20.00
Jewish Welfare Society...	Mrs. C. G. Beede..... 10.00
Miss Elizabeth C. Pierce	City of Marlboro..... 3.45
Mrs. M. L. Weld.....	
Mrs. Violet Thayer.....	<hr/> \$1,120.53

GIFTS TO THE HOSPITAL

Free Bed Fund, 1936

Alexander Cochrane Free Bed	\$10,000.00
Walter Hunnewell Free Bed	10,000.00
Miss Aimee Lamb (In memory of Mrs. Winthrop Sargent)	5,000.00
Carrie M. Hall Free Bed	8,000.00
(Alumnae Association of the Peter Bent Brig- ham Hospital School of Nursing)	
Henry Saltonstall Howe Free Bed	5,000.00
In Memory of D. W.....	7,000.00
In Memory of E. S. B.....	7,000.00

Free Beds for the Current Year

Miss Aimee Lamb	\$ 300.00
-----------------------	-----------

Report of the Treasurer

SUMMARIZED STATEMENT OF INCOME AND EXPENSES

For the Year Ending December 31, 1936

Income:

Real Estate (Net)	\$ 19,259.71
Interest Received :	
Bonds	\$ 41,760.97
Mortgages	4,918.40
	—————
	46,679.37
Dividends Received	20,579.12
	—————
	\$ 86,518.20
Less: Income allocated to Special Funds	1,442.94
	—————
Total Income from Investments for General Purposes ..	\$ 85,075.26

Deduct:

Treasurer's Expenses:

Salaries	\$ 6,750.00
Legal and Auditing	957.94
Investment Services	1,200.00
Sunday	225.00
	—————
Total Treasurer's Expenses	9,132.94

Income Available for Hospital Operating Expenses.....\$ 75,942.32

Operating Deficit:

Hospital Expenses

\$538,047.36

Deduct:

Hospital Revenue

321,937.86 216,109.50

Net Operating Deficit..... \$140,167.18

Deduct:

Amount Received applicable to Hospital Expenses:

Community Federation of Boston

107,216.40

Net Deficit for Year

\$ 32,950.78

REPORT OF THE TREASURER

BALANCE SHEET

December 31, 1936

ASSETS	
Cash	\$ 41,342.82
Investments—Book Value:	
Real Estate	\$ 2,048,405.68
Mortgages	431,737.77
Bonds	824,225.78
Stocks	1,076,311.37
	—————
	4,380,680.60
Inventories	33,619.52
Hospital:	
Land	332,219.34
Buildings	1,962,213.06 2,294,432.40
	—————
	\$ 6,750,075.34
	—————
LIABILITIES, FUNDS AND RESERVES	
Accounts Payable—City of Boston real estate taxes for the years 1934, 1935 and 1936 pending appeals	\$ 51,320.07
Special Funds:	
Permanent	\$ 173,656.73
Unexpended Income, Special Gifts, etc.....	11,467.80
	—————
	185,124.53
Reserves for depreciation:	
Portland Street Power Plant.....	4,076.00
Investment Real Estate.....	105,439.10
	—————
	109,515.10
General Fund	6,404,115.64
	—————
	\$ 6,750,075.34
	—————

STATEMENT OF GENERAL FUND

For the Year Ending December 31, 1936

Balance—January 1, 1936	\$ 6,405,368.60
<i>Deduct:</i>	
Net Operating Deficit for the year ending December 31, 1936	\$ 32,950.78
<i>Less:</i>	
Final Gift from 1935 Boston Emergency Relief Campaign..\$ 9,929.26	
Unrestricted Gifts	74.90 10,004.16 22,946.62
	—————
	6,382,421.98
<i>Add:</i>	
Profit on Investments Sold or Called (Net).....	21,693.66
	—————
Balance—December 31, 1936	\$ 6,404,115.64
	—————

PETER BENT BRIGHAM HOSPITAL

SPECIAL FUNDS

December 31, 1936

Permanent:

Alexander Cochrane Free Bed.....	\$ 10,000.00
Harvey Cushing Fellowship Fund.....	33,573.44
Carrie M. Hall (Nurses' Alumnae Association)	8,000.00
Hemenway Squash Court.....	11,050.00
Henry Saltonstall Howe Free Bed.....	5,000.00
Walter Hunnewell Free Bed.....	10,000.00
Aimee Lamb Free Bed.....	5,000.00
Theodore Lyman Free Bed.....	1,000.00
Frances Weld Peabody Loan Fund.....	1,458.29
Free Bed Fund—In memory of D. W.....	7,000.00
Free Bed Fund—In memory of E. S. B.....	7,000.00
Radium	3,000.00
John P. Reynolds Medal.....	1,000.00
John P. Reynolds Scholarship.....	2,500.00
Surgical Dressing	10,000.00
Henry Clay Jackson.....	58,000.00
Roentgenological Fund	75.00
	—————\$173,656.73

Unexpended Balances of Donations and of Income

from Permanent Funds for Special Purposes:

G. Gorham Peters Fund.....	\$ 2,500.00
Research in Renal and Vascular Disease.....	2,287.50
Elliott C. Cutler Fund.....	2,783.72
Superintendent's Special Fund.....	786.25
Pernicious Anemia Fund.....	100.00
Harvey Cushing Fellowship Fund.....	2,700.42
John P. Reynolds Scholarship.....	176.85
Fiction Library Fund.....	9.99
Special Permanent Charity Fund.....	28.20
Social Service Special Gift Fund.....	29.46
Boston Council of Social Agencies.....	65.41
	—————11,467.80
	—————\$185,124.53

EDMUND D. CODMAN,
Treasurer.

Report of the Superintendent

THIS IS the twenty-third report of the Superintendent, covering the year 1936.

There were admitted to the wards 4,712 patients as compared with 4,422 last year. The number of days' care was 68,437, an increase of 329 days over the previous year. The average bed occupancy was 75%. The average stay per patient was 15— days as compared with 15+ last year. The percentage of paying patients was 57— as compared with 54— a year ago, and of free patients was 43+% as compared with 46+% in 1935. The per capita cost based on total expenditures in all departments (except the amount paid graduate nurses employed at the expense of patients for special duty) was \$7.40— a day as compared with \$7.10— last year. Deducting the cost of operating the private ward and our-door department, the per capita cost was \$6.40— as compared with \$6.05+ in 1935. The daily per capita cost for provisions for all persons fed averaged \$.41+, an increase of \$.02 per day over last year.

The total operating expenses for the year were \$541,003.14, and receipts from patients were \$319,992.77. The difference, \$221,010.37, represents the amount of free service to the indigent sick of Suffolk County.

Again we wish to express our sincere appreciation to the Community Federation of Boston for its assistance towards meeting our deficit. Without it, we could not continue our work with the high standards of service which we have tried to maintain for our patients. We realize that the cost of running the campaign is held to a minimum by the large amount of efficient volunteer

PETER BENT BRIGHAM HOSPITAL

service which so many have given to make it a success, and we would like to record our appreciation and thanks to those volunteers for their valuable service. Notwithstanding the fact that the hospital has been unable to restore cuts in rates of pay made in 1932, 100% of our employees voluntarily contributed towards the Community Fund. I wish to record herewith my appreciation of their generous response. No more sincere expression of their belief in our needs could be given.

The Peter Bent Brigham Hospital was founded for the care of the indigent sick of Suffolk County and no patient residing in the county has ever been refused admission because of inability to pay.

In the Out-Door Department, the number of new patients treated was 6,756. Last year, it was 7,461. The total number of visits was 76,149 as compared with 77,728 in 1935. Our aim has always been to render as high quality of service as possible rather than to treat as best we can all who apply for admission to the department. With the exception of a few stormy days, all of the doctors at our command in this department have continuously cared for a full day's schedule of appointments. Seven hundred and forty-seven patients were rejected, 394 because all appointment time was filled; 188 because applying for treatment for which we had no suitable clinics, such as eye, ear, dermatological, etc.; 45 because they refused to get a reference letter from their local doctor; 49 could not wait for an appointment; 62 were too late for appointments which they had made; 9 were financially ineligible. The per capita cost per visit was \$.68— as compared with \$.58— last year. The increased cost is largely apparent rather than real and is due to a uniform system of accounting which we with other hospitals are now keeping at the request of

REPORT OF THE SUPERINTENDENT

the Community Federation. More complete detail will be found by reference to Table II, Comparative Statistics, and Table IV, which gives a complete analysis of expense and revenue.

Under the Federal Social Security Act, the Massachusetts Department of Public Health has secured funds to furnish the following hospitals in this city with money for use in better follow-up work in the control of cases of syphilis and gonorrhea:—Boston City Hospital, Peter Bent Brigham Hospital, Massachusetts General Hospital, Boston Dispensary, Beth Israel Hospital, and Children's Hospital. For this work, five trained graduate nurses have been appointed. They work by districts rather than for individual clinics, so that all five nurses work in common for the six hospitals. The technical supervision of workers is maintained by the Division of Genito-Infectious Diseases of the State Department of Health. These workers began on July 1, 1936.

We have continued all of the economies which from time to time have been instituted to cut the operating expense. Nevertheless, owing to the increased cost of commodities, it has been impossible to hold expenses down to last year's figures. Some method of replacing our depleted capital seems imperative.

On January 9, 1936, Mr. Charles P. Curtis resigned as President of the Corporation, a position which he has held since April 15, 1915. He also resigned as a member of the Corporation on January 23, 1936. I cannot adequately express in words my appreciation of the loyal service Mr. Curtis gave the hospital during the many years he was a member of the Corporation. As the hospital executive serving under him since 1919, I consider it a privilege to have had this official relationship and I cherish equally the friendship which developed at the

PETER BENT BRIGHAM HOSPITAL

same time. Through his resignation, the hospital has lost the services of a wise and devoted trustee.

On September 1, 1936, Dr. Reginald Fitz, who had been with us since 1922, resigned to become Wade Professor of Medicine at Boston University School of Medicine. He has our best wishes for success in his broader field.

We wish also to record the loss of Miss Mary C. Gilmore, our Assistant Superintendent of Nurses. A Brigham graduate, she served in many capacities in the School of Nursing, and always with great efficiency. She left to become Principal of the School of Nursing of the Beth Israel Hospital, Boston. Our best wishes for her success go with her.

In the Dietary Department, there were no changes in personnel. Miss Gertrude McDonald and her assistants, Miss Margaret O'Neil, and Miss Evelyn Nichols, have carried a heavier load than in the previous year, and most efficiently. The total diet days for the year was 14,033 in comparison with 12,139 last year. The outstanding diets were Diabetic, 24,011; High Caloric-High Vitamin, 3,925; Obesity, 1,927. Cafeteria service for doctors and nurses has been successfully continued throughout the year. We shall look forward to the time when waitress service for dinner at night can be re-established. Six student dietitians have completed the ten month course during the year, and all of these have been placed in satisfactory positions.

We have completed the modernizing of all of the utility rooms throughout the hospital through the installation of stainless steel work tables and complete modern sterilizing equipment, both for utensils and instruments. Modern sterilizers have been placed in all diet kitchens for sterilizing dishes of all patients on precautions. This

REPORT OF THE SUPERINTENDENT

work has been possible through generous contributions from three of our trustees.

We wish to record an anonymous gift from a member of the Corporation of \$1,000 for the completion of improvements in sterilizers and other equipment in our utility rooms mentioned above and for new furniture in the private ward. We also wish to record our thanks for a generous gift of money from the Godfrey M. Hyams Trust which enabled us to replace our 200,000-volt x-ray treatment apparatus with new and more efficient equipment. The Ladies' Social Service Committee has worked hard to raise funds for that department. The Christmas Committee again gave much pleasure to the patients and staff in arranging the Christmas program. To both committees, we give our sincere thanks. We wish to express our continued gratitude to St. Paul's Industrial Society for the large amount of sewing they have done for us. The Gray Lady Service of the American Red Cross has continued in charge of our Patients' Library. During the year, they distributed to the wards 3,005 volumes and to the personnel of the hospital several hundred additional books; 1,880 magazines were distributed, the total pieces of reading matter being circulated amounting to 5,136 for the year. The list of donors of books to the hospital is too large to record here in full. In particular, we wish to thank Dr. Elliott C. Cutler for his contribution of 45 books; Dr. James P. O'Hare, 11 books; Mrs. Larz Anderson, 30 books; Miss Elaine Boutwell, 12 books; Harris Lending Library, 10 books; Miss Dorothy Winship, 9 books; Miss Eleanor Chase, 10 books. A total of sixteen volunteers in the Gray Lady Service gave 1,565 hours to the Library under the efficient direction of Miss Clara Mead who for several years has had charge of this service.

PETER BENT BRIGHAM HOSPITAL

To all of the employees of the hospital for their continued efficient co-operation under trying conditions, I wish to express my deep appreciation, and I wish to again thank the members of the Corporation for their support.

JOSEPH B. HOWLAND,
Superintendent.

DECEMBER 31, 1936.

REPORT OF THE SUPERINTENDENT

Table I

(*This table is being omitted this year*)

Table II

Comparative Tables of Statistics

HOSPITAL WARDS AND SINGLE ROOMS

Patients in hospital first of year:

	1936	1935
Medical	73	83
Surgical	83	100
Total	156	183

Patients admitted during the year:

Medical	1,967	1,956
Surgical	2,745	2,466
Total	4,712	4,422

Patients treated in hospital wards and
private rooms during the year:

Medical	2,040	2,039
Surgical	2,828	2,566
Total	4,868	4,605

Patients discharged during the year:

Well	30	11
Improved	3,752	3,557
Unimproved	363	421
Untreated	209	178
Died	337	282
Total	4,691	4,449

PETER BENT BRIGHAM HOSPITAL

Patients in hospital end of year:

	1936	1935
Medical	87	73
Surgical	90	83
	177	156

Total patients days' treatment:

Paying patients	38,746	36,587
Free patients	29,691	31,521
	68,437	68,108

Percentage:

Paying patients	57—	54—
Free patients	43+	46+
	100	100

Average patients per day:

Paying patients	106+	100+
Free patients	81+	86+
	187+	187—

Medical	89—	85—
Surgical	99—	102—
	187+	187—

Average time per patient in hospital	15—days	15+days
Daily average cost per patient.....	\$7.40—	\$7.10—
Daily cost per capita for provisions for all persons supported .....	.41+	.39+

Patients were admitted as follows:

Paying regular rate	2,212	1,950
Paying less than regular rate ...	1,268	1,276
Free	1,232	1,196
	4,712	4,422

REPORT OF THE SUPERINTENDENT

OUT-DOOR DEPARTMENT

	1936	1935
Number of cases treated	6,756	7,461
Medical	2,689	3,036
Surgical	3,907	4,256
Urological	160	169
Number of visits	76,149	77,728
Medical	38,856	39,850
Surgical	31,818	32,372
Urological	5,475	5,506
Cost of maintenance of Out-Door De- partment	\$51,442.85	\$44,743.52
Daily average cost per patient .....	.68—	.57—

AMBULANCE

Ambulance calls during the year.....	608	560
Average calls per day	2—	2—
Mileage for patients	3,804	4,177
Other business	4,495	1,975
Total mileage	8,299	6,152

PETER BENT BRIGHAM HOSPITAL

Table III

YEAR	EXPENSES	RECEIPTS	NUMBER OF PATIENTS ADMITTED	NUMBER OF WARDS	AVERAGE STAY IN HOSPITAL	PATIENT COST PER DAY	CAPITAL COST FOR PROFESSIONALS PER DAY	VISITATIONS PER DAY	PATIENTS PER HOUSE	AVERAGE COST PER DAY	OUT-DOOR DEPARTMENT		AVERAGE COST PER VISIT
											NEW CASES TREATED	COST OF MAINTENANCE	
1913	\$190,510.41	\$36,571.58	1,370	25,157	20—days	\$7.02—	\$0.53—				8,347	30,434	\$0.33+
1914	256,423.25	69,251.23	2,843	49,295	17+days	5.15+	.35—				\$10,081.39	36,523	.33+
1915	269,913.46	88,651.55	3,417	60,242	18—days	4.48—	.33+				12,108.39	8,536	.33+
1916	308,413.81	116,519.00	3,712	65,291	18—days	4.72—	.35—				16,551.07	9,810	.35—
1917	324,777.80	138,512.48	3,674	65,129	18—days	4.93+	.40—				19,140.56	10,995	.36—
1918	321,547.28	154,026.47	4,025	66,669	17—days	4.81—	.44—				18,989.10	7,952	.43—
1919	377,253.15	193,741.63	4,282	65,546	15+days	5.76—	.51—				20,557.07	7,631	.41+
1920	453,853.94	262,413.29	4,316	69,541	16+days	6.53—	.59—				25,033.43	7,862	.50+
1921	483,921.52	301,918.05	4,315	68,556	16—days	7.06—	.47—				25,694.39	7,707	.49+
1922	492,676.00	325,667.28	4,685	70,695	15+days	6.97—	.45+				28,157.67	8,111	.49—
1923	540,524.41	367,369.45	4,775	74,854	16—days	*6.64—	.47—				29,510.51	8,801	.51—
1924	535,531.70	354,083.78	4,658	72,539	16—days	*6.83—	.46+				32,218.89	8,846	.54+
1925	557,252.24	365,749.62	4,422	72,411	16+days	*7.12—	.48+				33,753.42	7,081	.56+
1926	578,207.16	389,781.57	4,402	75,742	17+days	*6.97—	.48—				36,188.43	6,192	.65+
1927	620,177.85	412,568.64	4,507	78,645	17+days	*7.05+	.48+				35,696.05	7,699	.59—
1928	636,392.29	431,017.71	4,523	77,691	17+days	*7.25—	.48—				42,276.58	8,164	.74—
1929	663,064.84	456,916.54	4,472	78,743	18—days	*7.41—	.49—				48,802.11	7,849	.66+
1930	676,080.08	447,258.14	4,121	77,852	18—days	*7.68—	.49—				53,963.24	7,784	.71—
1931	652,391.94	418,586.38	4,056	72,256	18—days	*8.00+	.43+				51,456.67	7,595	.72+
1932	554,140.48	331,787.15	4,220	68,301	16+days	*7.49+	.36+				47,962.10	8,173	.61—
1933	512,849.91	257,739.65	4,272	64,642	15+days	*7.60—	.32+				46,715.77	7,976	.57—
1934	527,423.88	294,231.34	4,373	69,372	16—days	*7.15+	.36—				47,748.57	7,571	.57+
1935	515,187.70	285,814.91	4,422	68,108	15+days	*7.10—	.39+				44,743.52	7,461	.58—
1936	538,047.36	321,937.86	4,712	68,437	15—days	*7.40—	.41+				51,442.85	6,756	.68—

*From 1923 cost of special nurses not included.

REPORT OF THE SUPERINTENDENT

Table IV
Expense and Revenue Statement

ADMINISTRATION EXPENSES

1936

Salaries and wages	\$ 39,927.87
Supplies	5,538.16
Miscellaneous	6,998.30
Total administration	\$ 52,464.33

DIETARY

Salaries and wages	\$ 21,270.50
<i>Food:</i>	
Bread	\$ 2,623.98
Milk and cream	14,595.26
Groceries	16,797.24
Butter and eggs	12,762.62
Fruit and vegetables	10,273.35
Meat, poultry and fish	24,740.59
	81,793.04
Supplies	2,809.70
Miscellaneous	2,464.15
Total dietary	\$108,337.39

HOUSE AND PROPERTY

Housekeeping:

Salaries and wages	\$ 22,445.07
Supplies	11,516.04
Miscellaneous .....	.....
	\$ 33,961.11

Laundry:

Salaries and wages	\$ 12,648.67
Supplies	2,269.06
Miscellaneous	15,016.92
	29,934.65

Heat, Light and Power, Water:

Salaries and wages	\$ 3,054.71
Supplies	226.88
Miscellaneous	32,158.23
	35,439.82

Amount carried forward	\$ 99,335.58
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PETER BENT BRIGHAM HOSPITAL

1936

<i>Amount brought forward.....</i>	\$ 99,335.58
<i>Maintenance and Repairs:</i>	
Salaries and wages	\$ 15,817.25
Supplies	5,090.36
Miscellaneous	78.15
	—————
	20,985.76
<i>Motor Service:</i>	
Salaries and wages	\$ 2,128.64
Supplies	452.92
Miscellaneous	560.80
	—————
	3,142.36
Total house and property	\$123,463.70

PROFESSIONAL SERVICES

1936

<i>Medical and Surgical Service:</i>	
Salaries and wages	\$ 23,928.76
Supplies	20,774.92
Miscellaneous .....	.....
	—————
	\$ 44,703.68
<i>Nursing Service and Education:</i>	
Salaries and wages	\$ 65,095.32
Supplies	7,436.21
Miscellaneous	2,474.61
	—————
	75,006.14
<i>Medical Records and Libraries:</i>	
Salaries and wages	\$ 12,046.86
Supplies	1,431.57
Miscellaneous	800.00
	—————
	14,278.43
<i>Social Service:</i>	
Salaries and wages	\$ 8,608.66
Supplies	169.71
Miscellaneous	229.03
	—————
	9,007.40
<i>X-ray Service:</i>	
Salaries and wages	\$ 21,477.86
Supplies	12,997.22
Miscellaneous	311.30
	—————
	34,786.38
<i>Laboratories:</i>	
Salaries and wages	\$ 13,512.63
Supplies	9,293.43
Miscellaneous	563.02
	—————
	23,369.08
<i>Amount carried forward.....</i>	\$201,151.11

REPORT OF THE SUPERINTENDENT

	1936
<i>Amount brought forward.....</i>	<i>\$201,151.11</i>
<i>Pharmacy:</i>	
Salaries and wages	\$ 5,139.62
Supplies	36.29
Miscellaneous	5,175.91
<i>Operating Room:</i>	
Salaries and wages	\$ 7,393.25
Supplies	11,879.73
Miscellaneous	427.74
	19,700.72
<i>Total professional services</i>	<i>\$226,027.74</i>

OUT-DOOR DEPARTMENT

Salaries and wages	\$ 15,212.84
Supplies	12,071.02
Miscellaneous	3,426.12
<i>Total out-door department</i>	\$ 30,709.98

SPECIAL FUNDS

	1936
Elliott C. Cutler Fund	\$ 3,203.88
Arthritic Fund	377.41
Diabetic Fund	5.56
Fiction Library Fund	19.80
Renal and Vascular Disease Fund	1,284.76
Reynolds Scholarship Fund	125.00
Social Service Special Gift Fund	1,007.86
Special Permanent Charity Fund	950.05
Superintendent's Special Fund	2,124.51
United Unemployment Fund	769.79
Surgeon-in-Chief Fund	925.00
Pernicious Anemia Fund	92.54
<i>Total Special Funds</i>	\$ 10,886.16

PETER BENT BRIGHAM HOSPITAL

SUMMARY

EXPENSES

	1936	1935
Total administration	\$ 52,464.33	
Total dietary	108,337.39	
Total house and property	123,463.70	
Total professional services	226,027.74	
Total out-door department	30,709.98	
	<hr/>	<hr/>
Inventory adjustment	\$541,003.14	515,187.70
	2,955.78	5,340.03*
	<hr/>	<hr/>
Total hospital expense	\$538,047.36	\$520,527.73

REVENUE

Board of private ward patients	\$ 72,857.70	\$ 66,214.23
Board of ward pay patients	81,448.69	79,448.36
Board of special nurses	3,507.30	32,680.50
Special nurses	31,309.35	.....
Medicine and supplies	7,618.21	.. ..
Motor vehicles	2,360.65	1,903.30
Special professional services:		
Operating room	17,498.50	14,266.31
X-ray service	42,378.29	38,389.78
Laboratories	10,038.43	9,510.87
Physiotherapy	50.75	104.30
Other special services	633.00	225.00
Miscellaneous earnings	3,895.78	1,888.18
Out-door department	42,725.52	41,184.08
Social service department	5,615.69	.....
	<hr/>	<hr/>
Total hospital receipts	\$321,937.86	\$285,814.91

Classification for 1936 changed to meet uniform accounting system of the Campaign Federation. Comparison will be resumed next year.

Statement of Stock on Hand

	1936	1935
Administration supplies	\$ 3,354.39	\$ 3,780.48
Dietary	5,356.65	11,618.05
House and Property	10,040.21	11,618.05
Medical Service	14,868.27	15,265.21
	<hr/>	<hr/>
	\$33,619.52	\$30,663.74

* Deficit.

Report of the Roentgenologist

LAST YEAR's report ended as follows: "In closing may we hope that next year's report will start out with the news that the much-desired new therapy machine has finally been acquired." It gives us great pleasure to report that the fervid hope expressed above has been fulfilled. A grant of money was obtained from the Godfrey M. Hyams Trust which made possible the purchase of a modern and efficient deep therapy unit in April 1936 and both the department of Roentgenology and the Hospital are deeply appreciative of the confidence and the support given us by the trustees of the Godfrey M. Hyams Trust. The unit which was installed is the Westinghouse Quadrocondex with the new shockproof tube-stand which eliminates all danger of high voltage shock to the patient. These units are more efficient than the older type in many ways, for example, the same *quantity* of X-radiation can be given in less than a third of the time previously used and the *quality* of the beam of X-rays used is considerably improved by using a heavier filter and a greater target-skin distance. This latter factor of changed quality allows us to give a larger dose without increasing the damage to the skin and at the same time permits a greater percentage of the surface dose to reach the tumor. The saving in time has allowed us to treat a larger number of patients and leaves a comfortable margin of free time for future increase. This in turn allows the nurse in charge of therapy to help during the late morning rush hour which is so common in all X-ray departments.

Of greater humanitarian importance and interest is the effect of the new therapy system upon the welfare

PETER BENT BRIGHAM HOSPITAL

of the patient. There is no doubt but that the patients are more comfortable during the treatments than before. If the patient is in bed, the treatments can be given without moving him or her from the bed,—a decided advantage with patients who are very ill, or when moving a patient is difficult or painful. Similarly the advantage of flexibility in the new tube-stand is very much appreciated by the patients who had to be "fitted" to the old fixed-portal machine, as they can now lie in a comfortable position and have the tube fitted to them.

The third factor, accuracy, is considerably improved by many features inherent in the newer machines, chief among them being the constantly-reading ionization chamber directly under the tube which measures the output of the tube during the entire treatment, whereas we formerly measured only what we put into the tube in the way of voltage and current, hoping that the output would remain stable. All of these improvements are not special to this one machine, but are common to all of the best of the new therapy machines, and are reported here simply to show the improvement in technique, in adaptability, in accuracy, all tending to promote better service and, we hope, better end results. It will take three to five years before we can determine the improvement in results, as we deal mostly with insidious and, on the whole, unsatisfactory conditions in the majority of our therapy patients. It was surprising, however, to learn from a statistical survey of all of the patients treated during 1936 (made by Dr. C. B. Kimmel) that forty-one percent were treated for benign conditions! In view of the increasing use of X-ray therapy we thought it would not be amiss to include in this report an analysis of a year's work in therapy, chiefly

REPORT OF THE ROENTGENOLOGIST

as to the problems we are dealing with and the types of cases which are submitted to us for treatment.

During the year 1936 there were 2,826 X-ray treatments given to 355 patients, which averages 8 treatments to each patient. Many received only one treatment, others received from 20 to 40 treatments, the maximum being 50 to one patient. Those patients with benign lesions naturally received fewer individual treatments than the ones with malignant lesions, particularly those with deep-seated lesions, where the attempt is made to saturate the tumor with X-rays given through several skin portals, "cross-firing" as it is called through as many as six portals.

BENIGN CONDITIONS TREATED

Warts	35
Skin, miscellaneous	32
Ovaries, sterilization	20
Skin infections	18
Tuberculous adenitis	11
Pituitary, menopausal syndrome	11
Miscellaneous	19
<hr/>	
Total	146

Of greatest numerical importance in this group are the benign skin lesions, warts, plantar warts, infections (boils, carbuncles, acne and some fungus infections) and other less common diseases. The results on the whole have been prompt and satisfactory, and it is evident that the number of cases in this group is increasing as it is elsewhere. The use of the X-ray in the treatment of certain infections is not based upon theoretical considerations but upon actual practice and the current literature affords ample proof of its value. Plantar warts are by no means dangerous to life or health or even well

PETER BENT BRIGHAM HOSPITAL

being but they are often quite uncomfortable and are not very successfully treated by cautery or by excision. Many of our patients in this group come from the ranks of the students, nurses and attendants. It is interesting to note that with the new machine the dose in "r" units had to be doubled to get a uniformly satisfactory effect. This is due to the filter of oil and bakelite under the tube, changing the quality of the emergent rays.

The second and only other important sub-group of benign conditions were the cases in which sterilizing doses were given to the ovaries for various reasons and a still smaller group in which irradiation was directed at the pituitary gland in patients with severe intractable menopausal symptoms. Over half of these received prompt and definite benefit. (Analysis of this group of patients is being made and reported by Dr. Zollinger.)

MALIGNANT CONDITIONS TREATED

Lymphoma (22), leukemia (18)	40
Epitheliomas and carcinomas, skin	33
Carcinoma, cervix (16), ovary (9), fundus (6)..	31
Carcinoma, breast	26
Brain tumors	21
Carcinoma, prostate; bladder; kidney	20
Carcinoma, gastro-intestinal	12
Carcinoma, lung	10
Miscellaneous	16
<hr/>	
Total	209

The most important numerically in this group is the lymphoma and leukemia class. There were 40 patients in this group who received X-ray treatments in 1936, the great majority of them with marked benefit. However, that benefit is usually of but a few years duration and nearly all of these patients die of their disease in four

REPORT OF THE ROENTGENOLOGIST

to five years. We have a few who have gone 8 to 10 years, in good health and leading normal lives most of the time. It seems a paradox that a disease which responds so quickly and so well to X-ray therapy cannot be cured by this medium.

The next largest class is the epithelioma and basal cell carcinomas, most of them on the face. Here we have a definite chance to cure, and by judicious treatment we can effect a high percentage of cures, particularly if the lesions are small. If the carcinoma has invaded bone, cartilage or glands, a cure is practically impossible by irradiation alone.

The third largest group, carcinoma of the uterus and ovary, is rapidly coming under control and in most large clinics is no longer treated by surgery but by irradiation with increasing percentages of five year cures as we gain in experience. All too often, however, the carcinoma has spread beyond control before the patient presents herself for treatment, and once such a carcinoma is out of the pelvis the chances of a cure are gone.

Carcinomas of the breast are irradiated without operation only in the advanced cases or in those who refuse operation and in nearly all of these the attempt is not made to cure an incurable disease, but merely to alleviate and palliate. In general the decision in all cases must be made when the patient is first seen as to whether we shall attempt a cure or merely try for alleviation of symptoms. All too often patients are put through a rigorous course of treatments at considerable expense and often with considerable discomfort when there is no reasonable chance of a cure. This seems unfair and unjust to us, to make a patient who is already suffering from an incurable disease suffer still more from treatment, and

PETER BENT BRIGHAM HOSPITAL

for that reason many of our treatments are frankly palliative from the outset.

The same holds true not only of carcinoma of the breast, but also in carcinoma of the bladder, prostate and kidney, the next largest group. The response in the carcinomas of the bladder seems definitely better and more hopeful than in carcinoma of the prostate or kidney. However, some of the prostatic carcinomas with diffuse bone metastases respond quite well symptomatically to irradiation, with considerable relief of pain, and an occasional case of carcinoma of the kidney may be made more favorable for operation by heavy pre-operative radiation.

Out of the 22 brain tumors irradiated this year there were 10 pituitary adenomas, the most hopeful group for long-continued symptomatic relief. These are being considered in detail in separate reports which will be published in the *Journal of Roentgenology*. The other brain tumors receiving irradiation were mostly gliomas with but temporary alleviation of symptoms except in the medullo-blastomas where more intensive and more accurate X-ray therapy of the type possible with our new machine offers reasonable hope of cure, even without radical surgery. There were two benign tumors, angioma, and two carcinomas of the nasopharynx in this group, one of the latter having given unexpectedly good symptomatic and objective response to the irradiation. They are included because their first and major symptoms were those of intracranial extension.

Practically hopeless are the carcinomas of the lung and of the gastro-intestinal tract, the best results being only a temporary remission of symptoms following fairly heavy irradiation. There are scattered cases among the remainder of this group which have given very good

REPORT OF THE ROENTGENOLOGIST

results but space does not permit and the scope of this report does not include extensive details.

The general work of the department has broken all records in the number of patient-visits, with a total of 12,831 for the year, including the 2,826 treatments noted above. The increase came equally from the wards and from the Out-Door-Department, and from both medical and surgical divisions. Of special interest was the increase in the number of private patients, who form the income-producing nucleus to offset the loss in revenue from the large number of free patients. Private patients increased from 1,200 in 1935 to 1,700 in 1936, and this increase probably accounts for the favorable balance of income over expenditures shown for the year, more than any year since 1929. Detailed and comparative figures in five-year periods can be found at the end of this report.

Another item of interest to our graduates is the completion of the photographic gallery of all former Roentgenologists and house officers, which adds considerably to the attractiveness of the office and which stimulates the present generation of incumbents to emulate or to excell their predecessors. Of practical value, too, it forms a constantly-available roster when good positions (formerly called "jobs") come seeking a desirable man!

Along with the sartorial display (which should be of interest to our friends and graduates at the *anniversarium vigesiman quintum* in 1938) the development of a radiological library for our house-officers and students has been emphasized. Using the income from post-graduate students we have added to the books and journals until our collection exceeds that in the Medical School Library, and it now contains not only complete files of the three most important radiological journals,

PETER BENT BRIGHAM HOSPITAL

but also most of the text books and monographs dealing directly or indirectly with roentgenology. Several members of the staff have contributed books, either of their own labors, or of interest in their own fields and these are gratefully acknowledged.

As to the endowment fund hopefully mentioned in our last report, very little can be said. It has accumulated very slowly but each small increment has helped toward the goal of \$50,000. Several excellent prospects have faded out of the picture leaving nothing but good-will and hope to the fund, but the opportunity and the need are still there.

Our major need at present is for adequate fluoroscopic equipment, especially a tilting table and an attached serialographic device, to improve and to facilitate the gastro-intestinal work and the difficult work with lipo-iodal injections into the lungs and into the spinal canal. Our present equipment is seriously out-dated and handicaps us considerably in the ease and accuracy of our work as well as being uncomfortable and inconvenient for the patients. But we carry on cheerfully hoping that another generous gift may be forthcoming to help us with our most difficult work.

The three-year service in Roentgenology was approved by the Trustees last year and was instituted this year, so that there are three men on duty in increasingly responsible positions. Dr. William Myhre has been moved up to the position of assistant resident in place of Dr. Walter Vaughan, who completed his two-year service June 30, immediately entering the large department of radiology at Duke University Hospital as assistant to Dr. Reeves. Dr. John Larkin, a graduate of Johns Hopkins Medical School, was awarded the position as House-officer, and Dr. Charles Kimmel has been given the junior

REPORT OF THE ROENTGENOLOGIST

position for one year, following completion of his service under Dr. Christian at this Hospital. The Trustees, upon recommendation of the Executive Committee, generously voted to pay the senior assistant resident in X-ray an honorarium of \$750 per year, and continued the salary of \$500 a year for the junior. We hope eventually to have a small salary for the first-year man in the department, as is customary in most teaching hospitals.

There have been only two changes in the staff, Mr. Bruya having resigned in August to open a school of X-ray technique. His position was filled by promoting Jack Henegan, who received his training in this department. Dorothy Brogan, file clerk, left us early in the year and has been replaced by Ruth McWilliams. The whole staff has again demonstrated their loyalty and their cooperation many times during the year, an attitude which partly compensates for many of the things which are still lacking.

In summary may we report a continued growth in our services to the hospital and to our patients, a successful year financially, a much needed addition to our therapy department through the kindness of the Trustees of the Hyams Trust, and a continuance of the co-operation with and from the other departments of the Hospital and the other members of the staff.

MERRILL C. SOSMAN, M.D.,

DECEMBER 31, 1936.

Roentgenologist.

TABULATION OF DATA, FIVE-YEAR PERIODS

YEAR	Ward Cases	O. D. D. Cases	Private	All Others	Totals	X-ray Treatments	Films Taken	Dental Films
1916	2,227	2,789	123	263	5,504	381	11,062	1,551
1921	3,076	3,038	579	195	6,888	739	11,404	1,850
1926	4,299	3,420	1,269	214	9,202	618	21,575	2,928
1931	4,602	5,213	1,329	385	11,529	1,420	26,433	7,254
1936	5,015	5,570	1,708	538	12,831	2,826	26,013	6,054

Report of the School of Nursing

THE YEAR ends with the following staff of graduate and student nurses:

Superintendent of Nurses and Principal, School of Nursing	1
Assistant Superintendent of Nurses	1
Instructors	2
Instructor on leave of absence	1
Supervisors	4
Night Supervisors	2
Graduate Head Nurses and Assistants in Depart- ments	16
Graduate Nurse Anesthetists	3
Graduate Nurses—X-ray Department.....	3
Graduate Nurse—Out-Door Department—in em- ploy of State Department of Health	1
Graduate Floor Duty Nurses	5
Student Nurses	127
	166

Forty-one students entered. Thirty-five have been graduated. Eight have withdrawn.

The Children's Hospital has maintained its affiliation, with fifteen students for six month periods.

The last group of students in the old five-year program with Simmons College, eight in number, was received in September, 1935, and will complete their work here in September, 1937.

The twenty-second annual graduation exercises were held November 20 in the Assembly Hall at Simmons College. Mr. Amory, President of the Corporation, presided and announced the graduates, of whom there were thirty-two. The Dr. John P. Reynolds gold medal for general efficiency was awarded to Elva Mae Dawson, and

REPORT OF THE SCHOOL OF NURSING

the John P. Reynolds scholarship for highest rank at the end of the second year was earned by Eleanor McCarthy, a student in the five-year combined course with Simmons College. Dr. Bancroft Beatley, President of Simmons College, gave an interesting and inspiring address. A competitive paper on "What Graduation Means to the Nurse" was read by Ruth E. Pearson, a member of the graduating class.

During the year, the curriculum has been revised, in part. By a careful rearrangement of courses, and with some combinations with the School of Nursing of the Children's Hospital, and a consequent sharing of costs, it has been arranged to give every course twice in the year. By so doing, it is hoped to avoid the difficulty of bringing back students on affiliation for lecture work, and to make it much easier for students who lose work through illness, to complete it. Affiliated students will participate in the class work with our own students, and this will make it unnecessary to do separate teaching for these groups.

A plan has been adopted for the psychological and aptitude testing of candidates as an aid in determining their fitness for the profession of nursing. It is hoped that this method will provide for more careful selection of students and fewer losses in numbers.

There have been a number of important changes in personnel. In September, Helen Newhall, who had been with us for eleven years, and who had been surgical supervisor for eight years, left to become Superintendent of Nurses at the United Hospital in Port Chester, New York. She had given long, faithful and loyal service to the institution. She was succeeded by Helen Aikens, 1930, who has been both night supervisor and head nurse, and has carried on these duties successfully.

PETER BENT BRIGHAM HOSPITAL

In November, Mary C. Gilmore resigned to become Superintendent of Nurses at our neighboring hospital, the Beth Israel. Miss Gilmore was, for over thirteen consecutive years, in the service of the Hospital and School of Nursing; two years as night supervisor, three years as surgical supervisor, and more than eight years as Assistant Superintendent of Nurses. She was a competent assistant, a loyal officer of the Hospital and School of Nursing, a tower of strength, both to the students in the School and to the graduate nurses who have been associated with her, as well as to myself. She was succeeded by Nell Hostetler, of the class of 1920, who brought fine experience to bear upon the problems of the position.

There have been changes, also, in the head nurse staff. One nurse left to take a course in X-ray technique, one on account of illness, one on account of illness in her family, and one to be married. These vacancies have brought back to us one of our older graduates, class of 1930, with several years of excellent experience, and opened opportunities for three of our younger graduates to demonstrate their administrative and teaching ability. Miss Poskitt has joined the staff in the X-ray Department, replacing Miss Williams. The night supervisor and assistant have been changed, the former assistant becoming supervisor, and a new assistant added. A third anesthetist is now on duty. Two nurses from other Schools have served on our medical wards to make up deficiencies in their under-graduate preparation, in order to fit themselves to take New York State Board examinations. One nurse has observed for a month in our operating rooms, to improve her preparation as an operating room supervisor.

One graduate, Miss Hampton, 1931, is attached to our Out-Door Department, doing follow-up work in the

REPORT OF THE SCHOOL OF NURSING

homes of syphilitic cases, in connection with the State Health Department, and under the terms of the Federal Social Security Act.

Five members of the staff had leaves of absence last summer to take courses at Simmons College, and at Teachers College, Columbia University, New York. Miss Sinclair, Instructor in Nursing Practice, is now on leave of absence doing a year of work at the last named institution.

CARRIE M. HALL,
*Superintendent of Nurses and
Principal, School of Nursing.*

DECEMBER 31, 1936.

Report of the Social Service Department

THE SOCIAL SERVICE DEPARTMENT, Peter Bent Brigham Hospital, now reports its service statistics monthly using uniform report forms approved by the Committee on Statistics of the American Association of Medical-Social Workers. The types of service are classified on four levels of treatment. In Group I are included those cases accepted for full study and treatment. Group II contains cases for whom an adequate but less comprehensive form of treatment is undertaken, either because the medical-social problem is simpler or because only a part of the whole problem is selected for treatment. In Group III are classified cases requiring medical-social inquiry followed by brief or isolated services. Group IV includes cases involving social examination or social inquiry, resulting in no evidence of need of social treatment. The total number is 1,636. This does not include the many patients in various clinics, possibly around 3,000, for whom some small service or follow-up is done.

STATISTICAL FIGURES FOR YEAR—1936

Group I:

a. Carried over from preceding year.....	13
b. Taken under treatment during year.....	43
(1) New in Social Service during year....	23
(2) Previously served within this year....	20
c. Total under treatment during year.....	56
d. Discharged from treatment during year.....	40
e. Carried forward to following year.....	16

Group II:

a. Carried over from preceding year.....	68
b. Taken under treatment during year.....	441

REPORT OF THE SOCIAL SERVICE DEPARTMENT

(1) New in Social Service during year....	371
(2) Previously served within this year....	70
c. Total under treatment during year.....	509
d. Carried forward to following year.....	58

Group III:

a. Under treatment during year.....	929
(1) New in Social Service during year....	733
(2) Previously served within this year....	196

Group IV:

a. Social study terminated monthly during year..	143
(1) Social inquiry	142
b. New in Social Service during year.....	142

Report of Work on Surgical Service

There were 288 new cases referred from the surgical service. Seventy-six of these were referred for nursing and convalescent care. Nursing care for convalescing patients or patients with chronic disease is a serious problem for surgical patients. Since resources, other than public institutions are limited, it is very difficult to help these patients make plans for their care which are equally satisfactory to them and the doctor. Most hospitals giving care to chronic patients have long waiting lists for free beds, and the majority of ward patients are unable to pay for an extended period in either a hospital or a private nursing home. Some few patients can pay, some are willing to go to public institutions, such as Long Island Hospital, while others prefer to remain at home while waiting for a vacancy if the doctor considers it advisable. Nursing care of the patient while in the home is arranged by referring the patient to the Community Health Nurse.

The need for surgical appliances is very great, the refers for this being second only to those for convales-

PETER BENT BRIGHAM HOSPITAL

cent and nursing care. Many patients are unable to pay for surgical appliances such as orthopedic braces, special shoes, caliper splints. However, they are necessary as the next step in the treatment recommended by the doctor. Occasionally a patient on the surgical ward cannot be allowed to get up until he has the necessary appliance. The social worker secures enough social information to determine whether patient can pay part of the total cost, or whether money should be taken from one of the Social Service Funds for payment. If it is a very expensive brace, the worker raises part of the money from an outside agency.

An attractive, intelligent, thirteen-year-old Syrian girl was referred to the surgical social worker by the doctor in the Orthopedic Clinic for aid in getting a special brace costing \$35.00. This child had a very bad scoliosis condition which could not be entirely corrected but could be helped somewhat by wearing this brace. The doctor stated that without a brace worn during her growing years she would become quite deformed. This patient lived with her parents, an eleven-year-old sister, and three-year-old brother. Her father was a custom peddler and had very little business. Her mother had been the main support of the family earning \$6.00 a week in a garment factory. However, due to the Garment Workers Union strike she was out of work and did not know when she would be able to get work again. This family was absolutely unable to meet an extra expense, particularly such a large one as this special brace. Through the Kiwanis Club Committee for Underprivileged Children the necessary money was raised and the brace was secured for her. With the brace she returned to the Orthopedic Clinic where the doctor recommended that she come in three times a week to the Physiotherapy Department for exercises to mobilize the spine. Sixty cents a week for carfare proved to be more than the family could afford and the social worker provided streetcar checks. The patient, during all this time, came in

REPORT OF THE SOCIAL SERVICE DEPARTMENT

faithfully three times a week. The doctors felt that her condition, although only slightly improved, was definitely not becoming worse as they had feared, and they considered it was very worthwhile continuing the present line of treatment indefinitely.

Transportation to and from clinics for patients unable to come by street-car is another problem that must be met. Two classes of patients in general need this kind of service: (1) Patients with fractures who are coming to the hospital for physiotherapy several times a week; (2) Cancer patients who come daily for a course of X-ray treatments. This problem has been solved by the cooperation of the Red Cross Motor Corps who have transported many of our patients, and the gift of a small fund which can be used for taxis in an emergency.

There were 79 patients referred with a diagnosis of cancer. The placement of these patients is very difficult in view of the lack of beds in hospitals giving care to these cases. The State Hospital for Cancer at Pondville has only a few beds for those who cannot return home after treatment is completed. Forty of the 79 patients were referred for terminal care.

The Follow-Up and Tumor-Neuro Clinics have been meeting regularly once a week on Tuesday and Thursday afternoons respectively. There is a clinic secretary in each clinic. A system of follow-up is carried out, cards and letters being used to remind patients of their appointments. If these fail, home visits are made in urgent cases.

SURGICAL SERVICE STATISTICS

Brought forward from 1935	28
New	288
Reinstated	68
Closed	329
Carried forward to January 1, 1937	46

PETER BENT BRIGHAM HOSPITAL

SURGICAL FOLLOW-UP

Letters	830
Postcards	1,834

Psychiatric Clinic

Dr. Robert Fleming who has charge of the new Psychiatric Clinic has asked for a social worker. It is to be hoped that a psychiatric social worker may be added to the present staff. Until this is possible a volunteer is assisting in the clinic. This psychiatric social worker could also help in the social case work of the Luetic Clinic.

Report of Work in the Luetic Clinic

The Social Service Department has as in the past been given the responsibility of the clinic management, financial arrangement with patients as to payment for luetic treatment, follow-up, and in as far as our limited personnel allows casework. This September there was a new development that promises well.

In 1937 under the Social Security Act money was available to the State Board of Health for a project in the control of Syphilis and Gonorrhea. The Board decided after many consultations that an interesting and useful use of grant would be an intensive follow-up of patients with these diseases and a search for contact cases that should be examined and treated if necessary. The territory in and about Boston was divided into five districts and a full-time Public Health Nurse or Social Worker termed an Epidermatologist was appointed. Each worker had her office in one hospital and Miss Marion Hampton, Peter Bent Brigham Hospital graduate, was assigned to this hospital. These workers call on lapsed cases who have failed to respond to follow-up

REPORT OF THE SOCIAL SERVICE DEPARTMENT

letters or possible contacts, in an effort to get them to the clinic. This much needed work has resulted in many of the lapsed cases returning. The Board of Health wished this project to be a strictly Public Health measure and the workers were instructed to turn over any knowledge of social problems gained on the visit to the Social Service Department. As our clinic has had a good system of follow-up that kept the majority of patients who showed reasonable cooperation coming regularly, this special follow-up project brought back a group that are hard to hold to the regular treatment necessary once they have been re-instated. There is no doubt of the value of the follow-up but it does mean that we have to meet the increased clinic load with the attendant problems. From the casework the following examples are given:

A young woman had a recent luetic infection. She had been employed as a housemaid. We gave the Board of Health the name and address of her employer and they got in touch with the family physician who in turn talked the situation over with the family and presumably checked-up on possible infection. Worker found that the girl had come on a few months before from a mid-western state and finally when enough treatment had been given to render the girl non-infectious, she was returned home, the State paying her expenses. The family telegraphed that they could care for her but could not provide train fare. The hospital gave the patient a letter to give a doctor when she arrived. This asked him to write us for a full report. Shortly after her return we received word from a luetic clinic that she had reported for treatment and the hospital sent them our report.

A sixteen-year-old run-a-way was traced through the help of the Social Service Index. The girl had gonorrhea and lies in an infectious stage. Her record showed sex delinquency since the age of twelve. She had been on probation and in foster homes and had never been stable

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enough to keep out of difficulties. She was, at the time she turned up in the Leutic Clinic, apparently living with a man in the South End and as she was already on probation she was taken into court for violation of her probation and sent to the Girls' Training School where she will get medical care and the community will be protected.

LUETIC CLINIC—STATISTICS

1936

Patients brought forward from December 31, 1935.....	318
New Patients	116
Men — 55 Women — 61	
Reinstated Patients	79
Men — 40 Women — 39	—
Total membership during 1936.....	513
*Closed during the year.....	120
Present membership, December 31, 1936.....	393
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*Discharged	120
Transferred to other hospitals or L.M.D.....	44
Discontinued Treatment	60
Letters returned unclaimed.....	34
Reported to Board of Health and not located	21
Lost	5
Probably cured	7
Died	9
Patients seen at Clinic during year—not diagnosed luetic..	37
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Total number of letters sent.....	948
Special Clinic letters.....	127
Board of Health letters.....	82
Special blood test letters.....	411
Treatment follow-up letters.....	291
Lumbar puncture follow-up letters.....	37
Total number of visits during year.....	8,262
Men — 3,584 Women — 4,678	

REPORT OF THE SOCIAL SERVICE DEPARTMENT

G. C. STATISTICS—1936

Patients brought forward from December 31, 1935.....	76
New Patients	69

Men — 39	Women — 30
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Reinstated Patients	34
Men — 18	Women — 16

Total membership during 1936.....	179
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*Closed during the year.....	109
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Present membership, December 31, 1936.....	70
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*Discharged	109
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Transferred to other hospitals or L.M.D.....	12
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Discontinued treatment	79
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Letters returned unclaimed.....	5
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Reported to Board of Health and not located	10
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Lost	12
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Probably cured	17
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Died	1
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Total number of letters sent.....	409
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Special G.C. Letters.....	269
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Board of Health letters.....	42
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Special Gyn. follow-up letters.....	98
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Total number of visits during year.....	1,375
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Men — 1,027	Women — 348
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Social Service calls to homes of patients—540. Medical-Social reports to other agencies—991.

Report of Work in Cardiac Clinic

A social history is taken on every patient referred to the Cardiac Clinic so that the worker can report to the doctor any unfavorable conditions in the home, school, or place of employment. The purpose and functions of the clinic and follow-up system is explained to the pa-

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tient in order that, even though there is no social problem at the moment, the way is prepared for the patient or his family to consult the worker should need arise.

The interpretation of the patient's condition either to himself or to the community, i.e., school, employer, or social agencies, is a function of the worker. Another function is the actual case work by which it is made possible for patient to carry out the treatment prescribed by the doctor.

CARDIAC CLINIC STATISTICS

Cases brought forward from December 31, 1935	619
New Cases Referred.....	153
Reinstated	18
Total membership during year.....	790
Closed during year.....	134
Present Attendance January 1, 1937.....	656

The Medical Service

Many types of problems have been brought to the medical social worker. They have been all the way from a request for an old school report needed to round out the history of a young man on the wards where the diagnosis was still in doubt, to requests for help over a long period to a family where the bread winner was facing chronic invalidism or had died on the ward. There were 328 new patients referred. Many of these meant a short contact as arranging for convalescent care for a working girl where her job was held open and the only problem was getting her to a suitable convalescent home. Some of the tuberculosis patients seemed at first to require only a short contact but even these often mean a long time interest. Many of these patients after they leave the sanatorium, write or call to talk over some new situation.

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MEDICAL SERVICE STATISTICS

Brought forward from 1935.....	74
New	395
Reinstated	66
Closed	493
Carried forward to January 1, 1937.....	42

Student Dietitians have been sent to the Social Service Department for three or four weeks to get experience in making out diets for patients living at home. The students observe in the clinics mornings, and call at the homes of the patients in the afternoons. This practice has been of considerable value to the Social Service Department as it enables the workers to know how much an adequate or special diet should cost. The Public Welfare will often increase aid for patients with tuberculosis, gastric or duodenal ulcers and severe malnutrition but the Welfare asks for a list and an approximate cost of this list.

The Social Service Department has been active in the Arthritic Clinic. A clinic secretary has attended each clinic day. Considerable help has been given in transportation of these patients.

ARTHRITIC STATISTICS FOR 1936

Brought forward	224
New	84
Reinstated	21
Closed	83
Carried forward to January 1, 1937.....	246

There were 977 patients' visits to the Diabetic Clinic during the past year. Social Service has been active in supplying insulin to patients unable to pay for their own. Student dietitians have been helpful in making follow-

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up calls to instruct patients showing a considerable amount of sugar or those who did not seem to understand the routine instructions given in the clinic. A clinic secretary has been in attendance.

A clinic secretary has also been in attendance in the Dental Clinic throughout the year.

Total number of visits to Clinic.....	1,566
Total number of new patients.....	351
Total number of patients.....	455

The service given by the Red Cross Motor Corps has been more efficient than ever before. They have made at least 650 trips to the hospital bringing patients who are unable to travel on street-cars.

Members of the Junior League, Inc., of Boston have served as volunteer workers, helping in several of the clinics.

Through the kindness and generosity of the Ladies Committee the Head Worker was able to attend the International Conference of Social Work held at London, England, last summer.

The Ladies' Committee has held meetings once a month except through the summer. The staff workers attended and gave reports of their activities.

Last May the Ladies' Committee took over one of the nights at Pops Concert for the benefit of this department.

This year a check for \$70 was given the department for Christmas baskets from the Mary A. Crabtree Fund.

FINANCIAL REPORT—1936

This Department received from the Community Federation Drive of 1936, \$835.20, which was used for

REPORT OF THE SOCIAL SERVICE DEPARTMENT

patients receiving public welfare aid. Eight hundred dollars was given the Department by the Permanent Charity Fund, Inc., for patients not on public welfare. One thousand thirty-seven dollars and thirty-two cents (\$1,037.32) was raised through other agencies and friends for special needs.

STAFF OF WORKERS

General Service

ALICE M. CHENEY, R.N.

General Medical Service—Arthritic Clinic

MARGERY L. CROTHERS

Cardiac Service—General Medical

MRS. LOUISE S. LAWSON, A.B., M.S.

Surgical Service—Tumor Clinic

MRS. MARY LAMBERT, B.S.

Luetic Clinic

ADDIE M. COOLIDGE

MARGERY L. CROTHERS

Summer Substitute

MARY E. HOULIHAN, A.B., B.S.

Clerical Staff

ADDIE M. COOLIDGE

KATHLEEN O'TOOLE—and Follow-up Clinic

OLGA CAUHAPE—and Dental Clinic

GENERAL VOLUNTEER SERVICE

Tumor and Neuro Clinic:

GERTRUDE HOOPER

Endocrine Clinic:

ESTHER ATWELL

Cardiac Clinic:

MRS. MARY McCARRON

MARY HOULIHAN

Diabetic Clinic:

DOROTHY FRIEND

MRS. MIRIAM CARRING-

TON

Arthritic Clinic:

ANNA REVERE

MRS. E. MINTZ

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Nose and Throat Clinic:
MARTHA PROCTOR

Follow-Up Clinic:
GERTRUDE HOOPER

Dental Clinic:
MARIETTA HOWE
PHYLLIS MOTLEY
LEWIS WATSON
ISABEL GARDINER

Case Work Department:
MARY HOULIHAN

Student Volunteers from Radcliffe:

ORA GRILL
HELENE HORN

Clerical Staff:
MRS. FRANCIS LARKIN
HOPE CORKIN

Psychiatric Volunteer:
RUTH MARKELL

Home Visiting:
EDITH ALLEN

Red Cross Motor Corps—650 trips—1936

ALICE M. CHENEY, R.N.,
Director, Social Service Department.

DECEMBER 31, 1936.

Report of the Pathologist

THE FIGURES for the Department are as follows:

Autopsies, Medical Service	142
Autopsies, Surgical Service	74
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Total number of autopsies recorded.....	216
Reports on surgical specimens.....	1,923
Reports on bacteriological specimens.....	1,669
Guinea pig inoculations for suspected tuberculosis	187
Ascheim-Zondek Tests.....	78
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Total	3,857

The percentage of autopsies for the year, including cases taken over by the Medical Examiner, is 65—% for the entire hospital; for the Medical Service 61+%, for the Surgical Service 72—%.

Changes in the staff in the last year were as follows:

- Dr. Orville T. Bailey continues as Resident Pathologist.
Dr. J. E. Dunphy succeeded Dr. D. Ayer as House Officer, March 1, 1936, until December 1, 1936.
Dr. L. E. Rector succeeded Dr. Harald Johnson as House Officer, July 1, 1936, for a period of one year.
Dr. George Kaneb succeeded Dr. J. E. Dunphy as House Officer, December 1, 1936, for a period of one year.

Publications printed since the last annual report are:

- WOLBACH, S. B.: Vitamin C and the formation of intercellular material. N. E. Journal of Medicine, Vol. 215, No. 25, pp. 1158-1159. December 17, 1936.
(SHOHL, ALFRED T.), and WOLBACH, S. B.: Rickets in rats. XV. The effect of low calcium—high phosphorus diets at various levels and ratio upon the production of rickets

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and tetany. *Journal of Nutrition*, Vol. 11, No. 3, pp. 275-291.

(CUTLER, ELLIOTT C.), and GROSS, ROBERT E.: Neurofibroma and neurofibrosarcoma of peripheral nerves; unassociated with Recklinghausen's disease; A report of twenty-five cases. *Archives of Surgery*, Vol. 33, pp. 733-779. November, 1936.

BAILEY, ORVILLE T.: Relation of glioma of the leptomeninges to neuroglia nests; report of a case of astrocytoma of the leptomeninges. *Archives of Pathology*, Vol. 21, pp. 584-600. May, 1936.

S. B. WOLBACH,
Pathologist.

DECEMBER 31, 1936.

Report of the Surgeon-in-Chief

THE PAST year has brought unusual changes in the staff of the department of surgery. Illness made it necessary for Dr. Cheever to go west to a high, warm, and dry altitude in the fall of 1936, and he has been given a year's leave of absence. His leaving has poignantly indicated his great services to this hospital, for we miss his sound guidance and cheerful shouldering of extensive teaching responsibilities. Dr. Homans has also been granted a leave of absence for the academic year that he might go to Yale as Professor of Surgery *pro tempore* and Chief Surgeon of the New Haven Hospital to replace Dr. Samuel C. Harvey who has been forced by illness to be away from active duty for a period of time. This removal of two senior staff members has thrown on the remainder of the staff an unusually heavy responsibility both in teaching and in the care of patients, and has strikingly pointed out the great load which our small staff carries. This is even more sharply depicted by a comparison of the number of teachers at the Massachusetts General Hospital and the Peter Bent Brigham Hospital. If one considers all teachers in general surgery, the Massachusetts General Hospital has a total of twenty-eight as opposed to ten at the Peter Bent Brigham Hospital. When one considers that we teach second, third, and fourth year students on our wards and in the O. D. D., that we have a very popular voluntary course of operative surgery on animals for the third year class and an introductory course for the second year class carried on by the same group in our Laboratory of Surgical Research, it is obvious that any loss in our teaching force is keenly felt by those who remain.

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The difficulty this year has been met by increasing the work of Dr. Francis Newton and myself; by giving Doctor Zollinger an active share in the ward and operating room responsibility for three months, and by elevating Dr. Charles D. Branch, the former Resident Surgeon, to the position of Junior Associate, harboring him in the offices previously used by Dr. Homans and giving him in turn a three months' period of responsibility in the wards and operating rooms. Doctor Cheever's first-year course I have taken over. Doctor Zollinger and Doctor Branch have divided the third-year section teaching among themselves, Dr. George Wilkins and Dr. Leslie Van Raalte, the latter a new appointee as Junior Associate in Surgery. The third-year class lectures of Doctor Cheever and Doctor Homans have been divided among all the staff so that no one individual is unduly overloaded. It is surprising, however, to find that any addition to the teaching load means much added effort which is a sure indication that at our hospital the teaching as previously borne is about as great as individuals should assume. Moreover it is certain that such a load as we have borne this year tends to reduce the enthusiasm for teaching which is one of the immeasurable qualities so essential to real education. The experience this year should be of value in emphasizing the desirability of a somewhat larger teaching group unless as with our sister department, medicine, we relinquish second-year teaching at this hospital.

But the department of surgery has not been alone in the removal of senior members this year and since we are such a closely knit family it is proper that we record here the resignation of Dr. Reginald Fitz from the department of medicine in order that he might accept the posi-

REPORT OF THE SURGEON-IN-CHIEF

tion of Wade Professor of Medicine, Boston University School of Medicine, and Director of the Evans Memorial unit. We in the surgical department shall miss his happy presence, friendship, and great abilities equally with the department of medicine.

On February 17, 1936 the pupils of Doctor Christian surprised him with the delightful birthday gift of a Collection of Medical Papers written by them and presented at a hospital meeting by Dr. Francis Blake, now Professor of Medicine, Yale University, and formerly House Officer, assistant resident physician and resident physician in this hospital. This expression of gratitude, affection and esteem is the greatest homage a teacher can ever experience and no person in this country in our time more justly deserves this honor. The great number of former members of the medical service who now hold distinguished teaching posts in our country as well as the large number of highly trained, effective and successful practitioners is the real mark of Doctor Christian's great abilities and fine devotion to the best traditions of medicine, qualities that have played a chief rôle in establishing the high position this hospital now holds. We of the surgical service take the greatest pleasure in noting in our hospital records this happy and important birthday.

Notes concerning our senior personnel can be further brightened by recording the unusual pleasure we experienced during two weeks last spring when Dr. H. K. Giertz, Surgeon-in-Chief, Sabbatsbergs Sjukhus, Stockholm, was resident here as Surgeon-in-Chief *pro tempore*. Doctor Giertz possesses the ideal personality and faculties for a teacher. He revealed not only an ardent enthusiasm for forward movements in surgery but a meticu-

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lous responsibility for the perfect care of the individual patient which gave to the staff an indelible memory of his stay here. No *pro tempore* Chief ever assumed the responsibilities of his office with greater assiduity. His rounds were carefully made, he gave four carefully prepared papers during his stay, and his thoughtfulness for the patients will never be forgotten by the house staff who benefited from his example.

Most of the changes in the senior staff have been recorded above, that involving a change of title being the elevation of Doctor Branch, previously resident surgeon, to the post of Junior Associate in Surgery. At the time of writing this I greatly fear that we shall lose him from the staff before another report can be written, for much as we would like to keep around us more of our own pupils the opportunity to settle in a more permanent position elsewhere is something we cannot counterbalance. During the past year Dr. Donald MacDonald, who has served since 1930 as Junior Associate in Otolaryngology, has resigned, leaving Doctor Richards with a Voluntary Graduate Assistant, Dr. Samuel Cline, to carry on our Otolaryngological work. During the past year there has been added to our Junior Associate staff Dr. Leslie H. Van Raalte, a graduate of the Harvard Medical School in 1932, who served for one year in our surgical laboratory before completing his clinical training at the Boston City Hospital. His presence in the various clinics of the O. D. D. is of great assistance to us. We have also added Dr. Paul Hugenberger as Voluntary Graduate Assistant in Orthopedic Surgery and Dr. Harry Stone as Junior Associate in Dental Surgery.

The changes in the house staff have been as follows: Dr. John E. Dunphy, previously interne and assistant resident surgeon, replaced Doctor Branch as resident

REPORT OF THE SURGEON-IN-CHIEF

surgeon when the latter was moved in December into a senior staff position. In addition to his surgical training Doctor Dunphy has had the benefit of Doctor Wolbach's teaching in the department of pathology, a most valuable experience for any surgeon. Among the Fellows Doctor Quigley, who at the beginning of the year was Peters Traveling Fellow, came back to be Arthur Tracy Cabot Fellow for a period of four months after which he became assistant resident surgeon. Doctor Quigley was followed in the important post of the Arthur Tracy Cabot Fellowship by Dr. John L. Keeley who came to us from the University of Wisconsin where he had four years training in clinical surgery. His administration of the laboratory has been admirable. His investigative work as well as his assistance in the teaching of the third and second-year courses in the laboratory are of great benefit to us. Doctor Harrison is remaining another year as Urological Fellow. Dr. Max T. Schnitker, through the generosity of Mr. Amory, remained as Neurological Fellow until July, 1936, at which time he left to continue his training in London, first at the Queen Square Hospital and later as resident surgeon to Mr. Hugh Cairns at the London Hospital. As his experience abroad is aided by a grant from the Harvey Cushing Fellowship the change was most appropriate since Mr. Hugh Cairns was one of Doctor Cushing's most able neurological residents for the period of October 1, 1926 to September 15, 1927. During the year we were able to have two additional Harvey Cushing Fellows: Dr. Philip Shambaugh, who spent six months in Europe and then transferred to the Presbyterian Hospital, Chicago, as resident surgeon, and Dr. Michael Pijoan who is in charge of our surgical laboratory in the Brigham Hospital. Doctor Pijoan had been working in the sur-

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gical laboratory a year previously supported partly by a grant secured by Doctor O'Hare and partly by a grant from surgical funds, assisting in our study concerning hypertension. He now devotes his full time to problems within the department of surgery and is responsible in addition to his investigative work for the administration of the hospital surgical laboratory so that we can have accurate chemical assays of such materials as we require for either experimental studies or routine clinical care. Beginning in the fall of 1936 we have had two Research Fellows attached to the urological service: Dr. Egon Wildbolz, son of the Professor of Urology, Berne, a mature student in this special field, and Mr. A. Ruscoe Clarke, a Fellow of the Royal College of Surgeons who after a thorough surgical training at Guy's Hospital comes to this country to perfect himself in urological technique.

The assistant resident surgeons have progressed at the usual intervals. Doctor Dunphy completed his tour of duty in March and went to Doctor Wolbach's pathological laboratory for training until he moved back into the department of surgery as resident surgeon in December. Dr. Walter Reiling finished his service in July and left us to assume the practice of surgery in his home town, Dayton, Ohio. No assistant resident surgeon was more popular among the house staff nor has seemed better qualified for the practice of surgery. Doctor Dupertuis, who had previously had the advantage of a Peters Traveling Fellowship, finished in November and in competitive examinations was granted a post with the United States Public Health Service. His post is a part of the new order of things in this Service, for the U. S. P. H. S. having for years utilized practicing surgeons in communities as adjuncts for the surgical work in

REPORT OF THE SURGEON-IN-CHIEF

U. S. P. H. hospitals have now set up a scheme whereby it desires to take into its service highly trained young surgeons who are to carry on an active surgical career rather than have to assume as heretofore the regulation duties as quarantine officers or other non-surgical work as a part of their activities. This may be an educational project of great value to our people, possibly adopted from the Swedish system, and represents one way in which the State may take a larger share in caring for the immediate ills of our people. It is stated that the Government is to spend considerable sums building up hospitals in the U. S. P. H. S. throughout the country, and it is possible that these hospitals which will care for veterans, certain government employees and perhaps individuals who come under the social security act, may eventually assume a greater care of the people than we now imagine.

The internes have changed as follows: In March Doctor Bates returned to Chicago for further hospital training and Doctor Durant went to the Boston City Hospital as resident surgeon on the Tufts service under Dr. Horace Binney. In July Doctor Anderson left us for a period of training at the Lying-In Hospital, Boston, and Doctor Peterson for further training in cancer work at the Memorial Hospital, New York City. In November Doctor Hall accepted the interesting post as Surgeon on the sloop *Yankee* which was about to start on a cruise around the world, and Doctor Abell returned as his father's assistant in Louisville, Ky.

This gives me the opportunity to announce that during the summer and fall of 1936 Doctor Ladd and I were able to complete our arrangements for a further intimate liaison between the Children's Hospital surgical service and the Brigham Hospital surgical service, so that

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in the coming interne examinations in January, 1937, we shall examine applicants for a joint service at the two hospitals. The service is to consist of a one-year service at the Children's Hospital and a sixteen-month service at the Peter Bent Brigham Hospital. The men will commence their work by coming to the Brigham Hospital for laboratory work for four months. They will then go to the Children's Hospital for one year, and will finally return to the Brigham Hospital for one year. During the service they will have a vacation of one month. Candidates who have had six months service in Pathology will be given preference. We have arranged with Doctor Wolbach that the men accepting the later appointments can act as internes in pathology at both the Children's and the Brigham Hospitals until such appointments begin. This is a momentous step to take but it should give to our internes an experience which will more than compensate for the time this service will consume. Our Trustees were glad to accept this change, though they marveled at the amount of time a young man had to put into a post-graduate training in order to consider himself well qualified. As this proposal has already been announced to the student body we can say now that it has been most favorably received and we hope that the better men in the next graduating class will be tempted to apply in large numbers.

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- Simplified Apparatus for the Administration of Parenteral Fluid. *J. A. M. A.*, 106, 1982-1983, June, 1936.
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The list of publications represents the activity of the clinic and in particular emphasizes the productivity of the house staff. Our senior staff is small and it will be

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noted that the great percentage of the output listed above is from members of the junior staff. The work is fairly equally divided between clinical studies and experimental work in the laboratories, and perhaps the fact that we live in a relatively small hospital where the wheels of routine do not usurp all of a man's time allows our men to further their education by following their curiosity into such productive work. Moreover a considerable amount of investigation goes on in our laboratories in collaboration with men from other departments and this additional usefulness of our laboratory is a source of gratification.

This matter, however, of supporting two active laboratories, one at the hospital and one at the school, is a serious strain on the budget, and each year it becomes our responsibility to look elsewhere for additional funds to support such work. The question yearly arises of how much one can collect, since if one surrounds oneself with inquisitive, eager men, the number of problems presenting themselves for solution has no end. For the additional support of such work we are much indebted to a gift from Mr. William Amory, President of the Board of Trustees. His continued generosity has made possible additional workers, the acquisition of much needed apparatus and has lifted from our shoulders much of the worry that goes with trying to balance insufficient budgets.

Table A, which covers the general hospital statistics of the Department of Surgery, shows the largest number of discharges ever recorded, 2,918 patients. With this large turnover goes the second highest number of operations and a falling-off in the percentage of cases operated upon. It is inevitable that we should have a considerable number of traumatic cases for whom surgery is not

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TABLE A-

HOSPITAL STATISTICS—DEPARTMENT OF SURGERY
1913-1936

YEAR	Total Discharges	Deaths	General mortality %	Diagnoses*	Excess % of Diagnoses*	Patients operated upon	Case % operated upon	Operations recorded†	Post-operative deaths	Case mortality %	Operative mortality %
1913	690	35	5.00	690	0	477	69.1	693	29	6.1	4.2
1914	1474	83	5.63	1474	0	992	67.3	1361	61	6.1	4.5
1915	1869	89	4.76	2366	26.5	1328	71.1	1526	72	5.4	4.7
1916	2014	93	4.61	2348	16.6	1422	70.6	1632	68	4.8	4.1
1917	2021	74	3.66	2533	25.3	1457	72.1	1639	54	3.7	3.2
1918	1856	71	3.82	2315	24.7	1304	70.2	1474	61	4.7	4.1
1919	2123	102	4.80	2659	25.2	1411	66.5	1563	79	5.6	5.1
1920	2090	91	4.35	2604	24.5	1399	66.9	1602	69	4.9	4.3
1921	2195	107	4.87	2640	20.2	1405	64.0	1591	86	6.1	5.3
1922	2274	110	4.83	2692	18.3	1517	66.7	1552	71	4.7	4.5
1923	2397	135	5.62	3084	28.7	1646	68.7	1713	81	4.9	4.7
1924	2508	144	5.74	3462	38.0	1783	71.1	1843	75	4.2	4.1
1925	2578	134	5.19	3629	40.7	1667	64.7	1762	72	4.3	4.1
1926	2415	143	5.92	3565	47.6	1663	68.9	1789	87	5.2	4.8
1927	2474	135	5.95	3715	50.4	1735	70.1	1858	79	4.5	4.3
1928	2577	135	5.24	3737	45.0	1750	67.9	1930	89	5.1	4.2
1929	2574	136	5.28	3822	48.5	1708	66.3	1874	80	4.7	4.3
1930	2388	109	4.14	3763	57.6	1714	71.8	1892	71	4.1	3.2
1931	2375	125	5.68	4007	68.7	1670	70.3	1849	68	4.1	3.7
1932	2407	129	5.36	4415	83.4	1723	71.5	2337	84	4.8	3.6
1933	2636	133	5.04	5449	106.7	1848	70.1	2132	103	5.5	4.8
1934	2747	130	4.73	5636	105.2	1992	72.5	2311	104	5.2	4.5
1935	2600	102	3.92	5645	117.1	1848	71.1	2143	77	4.2	3.6
1936	2918	115	3.94	5607	92.1	1982	67.9	2379	87	4.4	3.6

necessary, or perhaps the diminution in the percentage of people submitted to surgery represents a conservative attitude that is reflected in the continuing of our low operative mortality of 3.6 per cent. The total number of operations remains above 2,000 and should give us a volume of work sufficient for the training of the small staff which we choose to have.

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TABLE B

STATISTICAL STUDY OF VARIETY OF CLINICAL MATERIAL

Based on Operations Performed

		1932	1933	1934	1935	1936
Neurological:						
Central Nervous System.....	Major	322	76	70	38	42
	Minor	21	80	80	78	66
Peripheral Nervous System.....		8	20	2	11	11
Thyroid		43	75	89	59	52
Thorax	Major	81	54	69	79	54
	Minor	15	20	36	14	20
	Bronchoscopy	..	8	17	15	27
Breast			47	32	38	42
Circulatory System:						
Heart and Pericardium.....		3	1	1	3	1
Blood vessels		37	23	19	36	70
Abdomen:						
Stomach		53	38	45	43	46
Gall-bladder		86	99	88	92	81
Appendix		162	155	165	135	144
Small Intestine		11	11	11	10	14
Large Intestine	Major	57	69	50	39	47
	Minor	58	107	82	70	55
Hernia		142	128	169	120	100
Bones and Joints:						
Fractures		25	10	33	35	30
Other Diseases		103	76	54	53	41
Plasters .....		..	66	91	85	86
Gynecology	Major	198	193	192	185	191
	Minor	87	167	152	119	129
	Radium	18	35	25	24	23
Genito-urinary	Major	197	162	273	159	181
	Minor	..	..	..	36	58
	Cystoscopy	525	468	641	579	632
	I. V. Pyelograms	22	58	97	111	123
Miscellaneous Major Operations		62	64	35	106	95
Minor Operations:						
Nose, Ear, Throat.....	..	104	145	170	195	188
Dental		138	102	96	68	95
Transfusions		70	28	76	58	71
Miscellaneous		164	210	268	225	326
Total		2,812	2,795	3,229	2,918	3,141

Table B represents the material broken down into the major anatomical divisions and, since it shows no great

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change from the previous year, needs little comment. It is printed largely for the interest of workers who might come to this clinic for study and who would like to know the type of material available. The chief change is the increase in the Genito-urinary procedures.

TABLE C

STATISTICAL TABLE WITH NUMBER OF DEATHS AND PERCENTAGE OF AUTOPSIES OBTAINED IN THE DEPARTMENT OF SURGERY (exclusive of medicolegal deaths)

Autopsies

	Deaths	Number	Percentage
1923.....	120	63	52.5
1924.....	131	95	72.5
1925.....	113	77	68.1
1926.....	127	77	60.6
1927.....	119	78	65.5
1928.....	128	83	64.8
1929.....	129	90	69.8
1930.....	96	76	79.2
1931.....	109	90	82.6
1932.....	117	84	71.8
1933.....	125	77	61.6
1934.....	115	89	77.4
1935.....	95	64	67.4
1936.....	97	69	71.1
Totals	1,621	1,112	69.2

Table C reveals that our autopsy percentage is practically unchanged. It should be noted in relation to this report that the figures in our previous reports of 1933, 1934, and 1935 were inaccurate in that the medicolegal deaths should have been subtracted from the totals before figuring the autopsy percentage, since the medicolegal cases are taken away from us by the coroner. The adjusted figures in the above report are accurate and should supplant those previously printed.

Table D is significant in that it represents a further falling-off in the O. D. D. figures, the number of new

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patients being lower than it has been at any time for ten years. This is in spite of the fact that a good deal of attention has been focused upon this part of our hospital work in the last few years, and there can be little question but that more expert service is rendered to our

TABLE D
O. D. D. STATISTICS; DEPARTMENT OF SURGERY—1925-1936

	General Surgery			Genito-urinary		
	Total	Old	New	Total	Old	New
1925.....	24,913	21,279	3,634	5,158	4,893	265
1926.....	23,062	19,931	3,131	3,671	3,501	170
1927.....	24,025	20,151	3,874	4,334	4,119	215
1928.....	20,989	17,050	3,939	4,072	3,851	221
1929.....	27,140	22,957	4,183	4,338	4,110	228
1930.....	28,002	23,824	4,178	5,028	4,827	201
1931.....	27,085	22,873	4,212	4,124	3,946	178
1932.....	30,408	25,946	4,462	5,168	5,006	162
1933.....	32,808	28,197	4,611	5,316	5,046	270
1934.....	35,437	30,846	4,591	6,082	5,889	193
1935.....	32,372	28,116	4,256	5,506	5,337	169
1936.....	31,839	27,925	3,914	5,498	5,338	160

ambulatory patients. The explanation to me lies in the fact that, as we entered the depression, doctors sent their poorer patients in increasing numbers to the dispensary or hospitals. Now, since the patients of this class are beginning to have slightly larger incomes and the income of the local physicians has been constantly depressed, the local physicians are glad even for a smaller fee to care for patients whom preceding the lifting of the depression they would not care for. It would appear that only when the depression lifts further and the local physician can hope to demand a larger fee will such patients again resort to the ambulatory clinics of our hospitals.

This leads us inevitably to the effect of the depression upon our finances. This has been harped upon so much that one fears lest not only ourselves but those whose

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interest leads them to turn these pages will develop some special form of psycho-neurosis concerning this ailment. It is certain, however, that we should be derelict in our duty to the Trustees and those who have gone before us and those who are to follow, if we do not continually make the effort to bring our income into alignment with our desires to work. As has been pointed out before, not only have we during these years of depression been spending capital and thereby reducing our income, but we have been living in a plant in which there has never been any serious replacement of major equipment for almost twenty-five years. During that period a tremendous development has taken place in technical apparatus, an advance that we have been unable to benefit from through want of funds. Our wards need both better arrangement and better apparatus for the modern care of sick people. Our work in the operating rooms could be greatly assisted by a rearrangement of the space available and by the establishment of a separate unit for autoclaves and for general hospital sterilization, and greater facility at the operating tables would be given by sums spent upon instruments and apparatus. We cannot look with equanimity upon a continuation of the "status quo." It is not that we wish to inaugurate major changes, but merely that obsolete and worn-out apparatus needs replacement. In order to further this point of view, and with the hope that a proper memorial might be erected within this hospital for its first Chief Surgeon, we have recommended to the Trustees, and they have approved, that a drive for funds be made in order that the apparatus, instruments, and space within the surgical pavilion be restored and brought up to the best that is in modern usage. When such a drive has been completed and funds accumulated, we shall then name the surgical pavilion

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which houses our operating rooms, sterilizing rooms, surgical laboratory, and the Surgeon-in-Chief's offices *the Harvey Cushing Surgical Pavilion*. This will leave a permanent memorial to him who by his works and example assisted in bringing this hospital in a period of a few years to a place of international importance. We are hoping that such a drive for funds may shortly be started and successfully consummated.

ELLIOTT C. CUTLER,
Surgeon-in-Chief.

DECEMBER 31, 1936.

Report of the Physician-in-Chief

DURING 1936 again has there been an inability of the Hospital to pay its running expenses even after widespread economies had been instituted and a very considerable fund was made available through the activities of the Boston Community Federation. This condition has necessitated further inroads on the capital of the Peter Bent Brigham Hospital, which in turn has resulted in further reduction in income from endowment, thus catching us in a vicious cycle of increasing poverty. This situation in itself is bad enough, but that is not the whole story. Prior to the present depression the Hospital had reached an age which made many features antiquated. The needs of the modern hospital change rapidly. What was entirely adequate when the hospital was opened in 1913, no longer, twenty-three years later, is even reasonably adequate. Today we are carrying on as best we can with reduced budget in a plant no longer satisfactory. Still another handicap exists in the reduced salaries and wages, put into effect five years ago and still continued to date. We are asking our personnel now to work for less pay at a time when living costs have increased. It is to be recognized, too, that these people did not receive an increased wage in good times, when others very generally had their pay increased. For some of these people pay reduction constituted a failure on the part of the corporation to live up to definite agreements made at the time of employment, agreements which in some instances involved resignation from some part-time, remunerative work on the request of the Corporation of the Peter Bent Brigham Hospital. In all fairness the Corporation should regard this as an obligation of indebted-

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ness to be met in the future. Otherwise it will be obvious that they have failed to live up to obligations that they have incurred, a condition certainly likely to render hospital salaried positions of the future insecure and so unattractive. In the coming year or two age retirement will necessitate replacement of people important for the future success of the work of the Peter Bent Brigham Hospital. How can it be expected to attract worthwhile people to these posts, unless very prompt and effective steps are taken to replace expended capital and to secure additional funds for replacements and improvements of plant and to pay off past obligations, so that it may be said that any agreement made by the Corporation of the Peter Bent Brigham Hospital will be kept in its entirety?

Resignation of President of the Corporation. During 1936 Mr. Charles P. Curtis resigned as President of the Corporation after holding that position for twenty-one years. Mr. Curtis rendered a splendid service during this period to the Peter Bent Brigham Hospital. We of the staff valued his wise advice and his help and appreciated the fine qualities of his personality. During the year our appreciation of him was expressed in a testimonial signed by members of the staff and presented to him at a very largely attended dinner. He will be much missed by all of us.

Physicians-in-chief, pro tempore. In 1936 we enjoyed having two to serve as Physician-in-Chief, *pro tempore*. First came James E. Paullin, Professor of Clinical Medicine at Emory University and Visiting Physician to the Grady Hospital at Atlanta, Georgia. He was the twenty-second to render us this service. Doctor Paullin combined a singularly charming, genial personality with a delightfully incisive way of emphasizing important

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relationships in the clinical problem set by the individual patient that he was examining and demonstrating.

A little later Lord Horder, first baron of Ashford, physician-in-ordinary to his majesty, King Edward VIII, and Senior Physician, *Emeritus*, to St. Bartholomew's Hospital, London, spent an all too brief time at the Peter Bent Brigham Hospital as twenty-third Physician-in-Chief, *pro tempore*. Cosmopolitan as a practitioner of medicine and a knower of men, Lord Horder had no hesitancy in expounding his views of medical problems, though he might not be sure of the agreement of his auditors. His method of teaching clinical medicine was more largely on the basis of questions to which he demanded logical and direct answers without circumlocutions, than ordinarily is the custom in this country.

The visits of these periodical physicians-in-chief, *pro tempore*, give an opportunity to members of the staff, young and old, to observe how outstanding clinicians meet and manage the problem of disease and its effects in patients and how they utilize their observations and acquired knowledge to teach important phases of medicine. One truly great clinician may have methods quite different from those of another, and yet each will arrive at an essentially similar conclusion. From all of them each of the Staff learns much of great value. Each *pro tempore* leaves behind things that we utilize in bettering our care of patients. To them always are we indebted for their willingness to come to serve us.

A Birthday Volume. For your physician-in-chief the outstanding event of 1936 was the presentation on his sixtieth birthday of a volume containing 101 studies by past and present members of the Medical Staff of the Peter Bent Brigham Hospital. The high quality of the work in this volume and the catholicity of its character

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has been attested by numerous laudatory reviews in various medical journals. To your physician-in-chief the honor, thus rendered to him, is one cherished beyond anything else that could have been done; to have won the affection, thus expressed, of a group of men so able as these is a reward which fittingly culminates twenty-three years of happy striving at the Peter Bent Brigham Hospital to create a medical service capable of giving a worthwhile training in medicine to young men, a training on which by their own efforts they might build wise ways of utilizing medical knowledge and becoming highly useful to the communities to which they scatter after leaving their Hospital.

Changes in Staff. On September 1, 1936 Dr. Reginald Fitz resigned from the staff to become Wade Professor of Medicine at Boston University and Director of the Evans Memorial. For fourteen years Doctor Fitz served us well as Physician after having been previously Senior Medical House Officer, 1912-13 and Assistant Resident Physician, 1913-1915. Thus is broken a close association begun, when your physician-in-chief was an assistant to Doctor Fitz' father, Dr. Reginald Heber Fitz, in charge of fourth-year clinical clerks in the wards of the Massachusetts General Hospital and the son was just entering on his medical course at Harvard. Doctor Fitz will be greatly missed by his associates on the staff of the Peter Bent Brigham Hospital.

Dr. Robert T. Monroe, Medical House Officer, 1924-25, Assistant Resident Physician, 1925-26, Junior Associate in Medicine, 1926-32, Associate in Medicine, 1932-36 was appointed Physician to fill the vacancy erected by the resignation of Doctor Fitz.

Drs. John M. Flynn and William T. Salter have been promoted from Junior Associate to Associate in Medi-

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cine. Dr. Andrew W. Contratto, Assistant Resident Physician, 1934-36, Dr. Robert Fleming, Medical House Officer, 1931-32 and Dr. Harry B. Friedgood, Medical House Officer, 1928-30 have been appointed as Junior Associates in Medicine.

On August 1, 1936 Dr. Eugene C. Eppinger resigned as Resident Physician. Doctor Eppinger was Medical House Officer, 1931-33, Assistant Resident Physician, 1932-33 and Resident Physician, 1933-36. The position of resident physician at the Peter Bent Brigham Hospital is of great importance and responsibility in the organization of the resident staff, requiring good clinical judgment, extensive medical knowledge and the ability to keep a rather complex organization running smoothly in its various relationships to patients, nurses, administrative officers and resident and visiting staff members. To him the Physician-in-Chief delegates much responsibility. Doctor Eppinger carried on all of these duties in a strikingly efficient and satisfactory way. His next jobs, Physician, Industrial Relations Division of the Procter and Gamble Company, soap manufacturers, Instructor in Medicine, Cincinnati College of Medicine and Assistant Clinician, Cincinnati General Hospital, we believe will be filled in the same way to the great satisfaction of those for whom and with whom he will work.

Doctor Eppinger has been succeeded as Resident Physician by Dr. Maurice A. Schnitker, B.S., University of Toledo, 1929, M.D. University of Michigan, 1931, Medical House Officer, Peter Bent Brigham Hospital, 1932-33, Assistant Resident Physician, 1933-36.

During 1936 Drs. Paul B. Cassaday, Andrew W. Contratto, Clayton B. Ethridge and William Evans resigned as Assistant Resident Physicians, Cassaday first to accept a position in a C. C. C. Camp and later to enter practice

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in Nantucket, Mass., Contratto to become Junior Associate in Medicine at the Peter Bent Brigham Hospital and to begin practice in Boston, Ethridge to commence practice in Washington, D. C., and Evans in Detroit, Mich. They have been succeeded by Dr. John B. Alsever, Harvard '34, Dr. John A. Boone, Harvard '33, Dr. Gale G. Friend, Harvard '35 and Dr. James A. Kennedy, Vanderbilt '34, all formerly medical house officers at the Peter Bent Brigham Hospital and Dr. Howard A. Lindberg, M.D., Northwestern University '34, formerly interne at the Evanston (Illinois) Hospital and Dr. Edward Massie, M.D., Washington University '35, formerly interne, Barnes Hospital, St. Louis. Dr. Roger W. Robinson, M.D., Northwestern '35, formerly Resident in Medicine, Passavant Hospital at Chicago, served a short term as Assistant Resident Physician and then became Voluntary Graduate Assistant and Research Fellow in Medicine, Harvard University, to conduct experimental investigations in the Harvard Laboratory of Medicine.

As Medical House Officers the following men completed their service and commenced other work. Drs. John A. Boone, M.D., Harvard '33 and James A. Kennedy, M.D., Vanderbilt '34, to become Assistant Resident Physicians at the Peter Bent Brigham Hospital; Dr. Samuel J. King, M.D., Harvard '34, to become District Physician of the Boston Dispensary; Dr. John B. Alsever, M.D., Harvard '34, to become Assistant Resident Physician at the Peter Bent Brigham Hospital; Dr. Laurence E. Putnam, M.D., Harvard '34, to become Surgical House Officer at the Beth Israel Hospital, Boston and Dr. Garrett L. Sullivan, M.D., Harvard '34 to become House Officer at the Massachusetts Eye and Ear Infirmary, Boston.

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Publications for 1936. During 1936 certain lines of investigation have been pursued by the members of the staff, as shown by the following list of publications. Some of these represent work actually done in the preceding year, but, according to our custom, are noted in the Annual Report only after their completion and publication, thereby avoiding duplication in being noted once when the work is under way and the second time when completed and published.

- CHRISTIAN, HENRY, A. Types of Edema and Their Treatment. N. Eng. J. Med., 214, 318, 1936.
- The Golden Age of Medical Endowments. N. Eng. J. Med., 214, 688, 1936.
- Diuretics and What They Do. N. Eng. J. Med., 215, 709, 1936.
- Oedema, Diuretics, Diuresis. Third Frank Billings Lecture. Proc. Inst. Med. of Chicago, 11, 1936.
- FITZ, REGINALD. A Belated Eulogy: To John H. Watson, M. D. Am. J. Surg., 31, 584, 1936.
- Does Diabetic Blood Contain an Insulin-Inactivating Substance? Med. Papers Ded. to Dr. Henry A. Christian, 446, 1936.
- From Cow-Path to State Road. N. Eng. J. Med., 214, 1178, 1936.
- FULTON, MARSHALL N. Mercurin Suppositories as a Diuretic in the Treatment of Edema. N. Eng. J. Med., 214, 1092, 1936.
- FULTON, MARSHALL N. Some Observations on the Use of Mercurial Diuretics in the Treatment of Ascites of Cirrhosis of the Liver. Med. Papers Ded. to Dr. Henry A. Christian, 247, 1936.
- MONROE, ROBERT T. and WALCOTT, CHARLES F. The Incidence of Cardiovascular Disease in Chronic Arthritis. Med. Papers Ded. to Dr. Henry A. Christian, 918, 1936.
- AUB, JOSEPH C. Do the Pituitary and Adrenal Glands Influence Calcium or Magnesium Metabolism? (Summary.) Trans. Assos. Am. Phys., 51, 129, 1936.

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- AUB, JOSEPH C., BRUES, AUSTIN M. and JACKSON, ELIZABETH B. Growth Inhibitor in Liver Tissue. Proc. Soc. for Exp. Biol. and Med., 31, 270, 1936.
- AUB, JOSEPH C. and TIRBETTS, DOROTHY M. Magnesium Metabolism in Health and Disease. Med. Papers Ded. to Dr. Henry A. Christian, 312, 1936.
- BURWELL, C. SIDNEY. The Influence of Pregnancy on the Course of Heart Disease. Southern Med. J., 29, 1194, 1936.
- BLOTNER, HARRY. Excessive Smoking as a Possible Precipitating Factor in Diabetic Gangrene; With a Case Report. Ann. Int. Med., 9, 987, 1936.
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- Effect of Alcohol on Digestion by Gastric Juice, Trypsin and Pancreatin. J. A. M. A., 106, 1970, 1936.
- The Effect of Gastric Juice, Bile, Trypsin and Pancreatin on Insulin: The Prevention of the Digestion of Insulin with Alcohol. Am. J. Med. Sci., 192, 263, 1936.
- The Effect of Protamine Insulinate on the Blood Sugar Level Including Intravenous Use in Rabbits. N. Eng. J. Med., 215, 865, 1936.
- DERICK, CLIFFORD L. The Treatment of Staphylococcus Infections with Staphylococcus Toxoid. Med. Papers Ded. to Dr. Henry A. Christian, 738, 1936.
- The Heart in Rheumatic Fever. N. Eng. J. Med., 214, 310, 1936.
- EMERY, EDWARD S., JR. Progress in Gastro-enterology for 1935. N. Eng. J. Med., 215, 712, 1936.
- The Case of Mrs. B. Med. Papers Ded. to Dr. Henry A. Christian, 585, 1936.
- EPPINGER, EUGENE C. Thrombo-angiitis Obliterans: A Case with Extensive Distribution of the Vascular Lesions Including the Coronary Arteries. Med. Papers Ded. to Dr. Henry A. Christian, 157, 1936.
- Pernicious Anemia. Am. J. Nursing, 36, 783, 1936.
- ETHRIDGE, CLAYTON B., MYERS, DAN W. and FULTON, MARSHALL N. Modifying Effect of Various Inorganic Salts on the Diuretic Action of Salyrgan. Arch. Int. Med., 57, 714, 1936.

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- EVANS, WILLIAM A., JR. The Effect of Changes in Salt and Water Metabolism Upon Salyrgan Diuresis (With Special Reference to the Effect of Permanent Bile Fistula) Med. Papers Ded. to Dr. Henry A. Christian, 204, 1936.
- Long-standing Cases of Auricular Fibrillation with Organic Heart Disease; Some Clinical Considerations. Ann. Int. Med., 9, 1171, 1936.
- FLYNN, JOHN M. A Scheme for the Treatment of Diabetes Mellitus with High Carbohydrate Low Fat Diets. N. Eng. J. Med., 215, 955, 1936.
- The Physical Expression of Neurosis in Adults. Papers Ded. to Dr. Henry A. Christian, 879, 1936.
- GRABFIELD, G. PHILIP. The Protein Metabolism in Bright's Disease. Med. Papers Ded. to Dr. Henry A. Christian, 170, 1936.
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- O'HARE, JAMES P. and RICHTER, ARTHUR B. The Heart in Chronic Glomerular Nephritis. N. Eng. J. Med., 214, 824, 1936.
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- SCHNITKER, MAURICE A. and EVANS, WILLIAM A., JR. Peptic Ulcer. A Study of the Disease Before and After the Demonstrated Ulcer. N. Eng. J. Med., 214, 198, 1936.
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- WOSIKA, PAUL H. and EMERY, EDWARD S., JR. The Effectiveness of the Sippy Regimen in Neutralizing the Gastric Juice of Patients if the Amount of Alkali is Not Varied. Ann. Int. Med., 9, 1070, 1936.
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In closing my twenty-third annual report again I express my thanks to the many individuals who have cooperated in the medical work of the Peter Bent Brigham Hospital. Each year a committee of ladies, friends and wives of staff members, plan and carry out in the wards a delightful Christmas celebration with carols, music and presents from illuminated Christmas trees, greatly enjoyed by patients and staff. Such an event serves a valued end in creating esprit de corps and welding us into a happy family. Our thanks, not expressed in each annual report, go, however, annually from our hearts to these ladies. The ladies-in-gray of the Red Cross work each week in the hospital and in many ways help us in making the stay of our patients more pleasant; this not alone brings pleasure but contributes, too, to the well-being and professional progress of our patients; we appreciate their services to us. This report ends twenty-three years of service as Physician-in-Chief, years that have passed with great rapidity by reason of the pleasantness of associations within the walls of the Peter Bent Brigham Hospital, associations for which I am profoundly grateful.

HENRY A. CHRISTIAN,
Physician-in-Chief.

DECEMBER 31, 1936.

REPORT OF THE PHYSICIAN-IN-CHIEF

Summary of Medical Statistics

JANUARY 1, 1936 TO JANUARY 1, 1937

Total number of medical admissions in 1936 ...	2,045
Total number of medical cases remaining in the wards, January 1, 1936.....	73
	— 2,118
Total number of medical readmissions discharged in 1936.....	549
Total number of medical new cases discharged in 1936.....	1,482
	— 2,031
Total number of medical cases remaining in the wards, January 1, 1937.....	87
Total number of deaths.....	— 2,118 222

Visiting Physicians and Surgeons *Pro Tempore*

SIR CHARLES BALLANCE

K.C.M.G., C.B.; Consulting Surgeon to British Army, 1914-19; Col., R.A.M.C.; Consulting Surgeon to St. Thomas Hospital and to the National Hospital for Paralysis and Epilepsy; *Surgeon-in-Chief pro tem.*, P. B. B. H., October 15 to October 25, 1928. Deceased.

DR. LEWELLYS F. BARKER

M.B., Univ. of Toronto, 1890; M.D. (Hon.) Univ. of Toronto, 1905; Queen's, 1908; LL.D., McGill, 1911; Emeritus Professor of Medicine, Johns Hopkins University and Visiting Physician, Johns Hopkins Hospital; *Physician-in-Chief pro tem.*, P. B. B. H., April 21 to April 27, 1931.

DR. FRANK BILLINGS

M.D., Northwestern Univ., 1881; M.S., *ibid.*, 1890; Sc.D., Harvard, 1915; Professor of Medicine, Northwestern Univ., 1891-98; Professor of Medicine, Rush Medical College, 1898-1905; Professor of Medicine, Univ. of Chicago, 1905-24; *Physician-in-Chief pro tem.*, P. B. B. H., May 15 to May 20, 1916. Died September 20, 1932.

DR. LEWIS A. CONNER

Ph.B., Yale Univ., 1887; M.D., Columbia Univ., 1890; Physician, New York Hospital, 1905; Professor Clinical Medicine, Cornell Univ. Med. School, 1905-16; Professor of Medicine, *ibid.*, 1916; *Physician-in-Chief pro tem.*, P. B. B. H., April 8 to April 15, 1923.

DR. CHARLES A. ELLIOTT

B.S., Univ. of Nebraska, 1895; M.D., Northwestern, 1898; Professor of Medicine, *ibid.*; Attending Physician, Passavant Memorial Hospital, Chicago; *Physician-in-Chief pro tem.*, P. B. B. H., April 16 to April 22, 1933.

PROF. OTFRID FOËRSTER

Professor of Neurology, Univ. of Breslau; *Surgeon-in-Chief pro tem.*, P. B. B. H., October 1 to October 14, 1930.

MR. GEORGE E. GASK

Graduate of St. Bartholomew's Hospital, London, England; Consulting Surgeon, B. E. F., receiving C.M.G. and a D.S.O.; Surgeon and Director of Surg. Unit to St. Bartholomew's Hosp.; Professor of Surgery, Univ. of London; *Surgeon-in-Chief pro tem.*, P. B. B. H., March 20 to April 3, 1921.

DR. H. KNUT GIERTZ

Surgeon-in-Chief, Sabbatsburg Sjukhus, Stockholm, Sweden; Surgeon to the Royal Family of Sweden; *Surgeon-in-Chief pro tem.*, P. B. B. H., May 16 to May 31, 1936.

VISITING PHYSICIANS AND SURGEONS

DR. ALVAH H. GORDON

M.D., C.M., McGill University Faculty of Medicine, Montreal, 1899; F.R.C.P., Canada; Associate Prof. of Medicine, McGill; Physician, Montreal General Hosp.; *Physician-in-Chief pro tem.*, P. B. B. H., April 14 to April 20, 1935.

DR. DUNCAN GRAHAM

M.D., Univ. of Toronto, 1905; Professor of Medicine, Univ. of Toronto; Physician-in-Chief, Toronto General Hospital; *Physician-in-Chief pro tem.*, P. B. B. H., March 3 to March 10, 1929.

DR. EVARTS GRAHAM

M.D., Rush Medical College, 1907; Professor of Surgery, Washington Univ., St. Louis, Mo.; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 26 to May 3, 1925.

DR. JAMES B. HERRICK

A.B., Univ. of Mich., 1882; Hon. A.M., *ibid.*, 1907; M.D., Rush Medical College, 1888; Professor of Medicine, *ibid.*, 1900; Attending Physician, Presbyterian Hospital, Chicago, Illinois, 1895; *Physician-in-Chief pro tem.*, P. B. B. H., February 15 to February 21, 1924.

DR. GEORGE J. HEUER

M.D., Johns Hopkins Univ., 1907; successively Associate Professor of Surgery, Johns Hopkins Univ., Professor of Surgery, Univ. of Cincinnati, and Professor of Surgery, Cornell Univ. Medical School, New York; *Surgeon-in-Chief pro tem.*, P. B. B. H., July 12 to July 16, 1932.

DR. ALBION WALTER HEWLETT

B.S., Univ. of Cal., 1895; M.D., Johns Hopkins Medical School, 1900; Professor of Internal Medicine, Univ. of Mich., 1908-16; Professor of Medicine, Leland-Stanford Jr. Univ., San Francisco, 1916-25; *Physician-in-chief pro tem.*, P. B. B. H., May 1 to May 4, 1915, and January 2 to January 8, 1916. Died November 10, 1925.

DR. CHARLES F. HOOVER

M.D., Harvard, 1892; Professor of Medicine, Western Reserve Univ., Cleveland, Ohio; *Surgeon-in-Chief pro tem.*, P. B. B. H., February 3 to February 9, 1924. Died June 15, 1927.

LORD HORDER

M.D., Univ. of London; Honorary D.C.L. (Dunhelm); F.R.C.P.; K.C.V.O.; Knight Grand Order of St. John of Jerusalem; First Baron of Ashford in the County of Southampton; Physician-in-Ordinary to the King; Senior Physician Emeritus to St. Bartholomew's Hosp.; Freeman of Shaftsbury; *Physician-in-Chief pro tem.*, P. B. B. H., May 1 and 2, 1936.

DR. CAMPBELL P. HOWARD

M.D., McGill, 1901; Professor of Medicine, McGill University, Montreal; Physician to Montreal General Hospital, Montreal; *Physician-in-Chief pro tem.*, P. B. B. H., November 16 to November 21, 1931. Died June 3, 1936.

PETER BENT BRIGHAM HOSPITAL

DR. SAMUEL W. LAMBERT

A.B., Yale, 1880; Ph.B., *ibid.*, 1882; M.D., Columbia, 1885; A.M., Yale, 1905; D.Sc., Columbia, 1921; Professor Clinical Medicine, Columbia, 1903-19; Dean, Coll. Phys. and Surgs. (Columbia), 1904-19; Attending Physician, New York Hosp., 1896-1909; Attending Physician, St. Luke's Hosp., 1906; *Physician-in-Chief pro tem.*, P. B. B. H., January 24 to January 30, 1926.

DR. HENRY ROBERT MURRAY LANDIS

A.B., Amherst, 1894; M.D., Jefferson Med. Coll., 1897; Director, Clinical and Sociological Departments, Henry Phipps Institute, Philadelphia, Pennsylvania; *Physician-in-Chief pro tem.*, P. B. B. H., January 18 to January 25, 1919.

PROF. RENÉ LERICHE

Professor of Surgery, University of Strasbourg; Professor of Surgery, University of Lyons, 1932; *Surgeon-in-Chief pro tem.*, P. B. B. H., June 12 to June 20, 1929.

DR. DEAN DEWITT LEWIS

A.B., Lake Forest Univ., 1895; M.D., Rush Med. Coll., 1899; Associate Professor of Surgery, Rush Medical College, 1919-25; Attending Surgeon, Presbyterian Hosp., Chicago; Professor of Surgery, Johns Hopkins Univ., 1925; *Surgeon-in-Chief pro tem.*, P. B. B. H., March 15 to March 24, 1920.

SIR THOMAS LEWIS

M.D., University College, London, England, 1906; C.B.E.; F.R.C.P.; F.R.S.; Physician, University College, London, England; Physician to Staff of Med. Research Comm.; *Physician-in-Chief pro tem.*, P. B. B. H., October 26 to November 2, 1914.

DR. WARFIELD T. LONGCOPE

A.B., Johns Hopkins Univ., 1897; M.D., *ibid.*, 1901; Bard Professor of Medicine, Columbia Univ., New York, 1914-21; Professor of Medicine, Johns Hopkins Univ., and Physician-in-Chief, Johns Hopkins Hospital, 1922; *Physician-in-Chief pro tem.*, P. B. B. H., January 13 to January 20, 1917.

DR. WILLIAM DE B. MACNIDER

M.D., Univ. of N. C., 1903; Professor of Pharmacology, Univ. of N. C., 1905; *Physician-in-Chief pro tem.*, P. B. B. H., April 13 to April 17, 1925.

DR. THOMAS McCRAE

A.B., Univ. of Toronto, 1891; M.B.; M.D., *ibid.*, 1903; F.R.C.P., England; Associate Professor of Medicine, Johns Hopkins Univ., 1906-12; Professor of Medicine, Jefferson Med. Coll., 1912; Physician to Jefferson and Penn. Hosps.; *Physician-in-Chief pro tem.*, P. B. B. H., March 13 to March 19, 1921. Died, June 30, 1935.

VISITING PHYSICIANS AND SURGEONS

DR. JAMES S. McLESTER

A.B., Univ. of Alabama, 1896; M.D., Univ. of Virginia, 1899; Prof. of Med., Univ. of Alabama; *Physician-in-Chief pro tem.*, P. B. B. H., April 27 to May 3, 1930.

PROF. GUNNAR NYSTROM

Professor of Surgery, University of Upsala, Sweden; *Surgeon-in-Chief pro tem.*, P. B. B. H., May 23 to May 26, 1930.

DR. JAMES E. PAULLIN

M.D., Johns Hopkins, 1905; LL.D., Wesley Univ., 1928; Res. Pathol., Rhode Island Hosp., 1905-06; House Officer, Piedmont Hosp., Atlanta, Ga., 1906-07; Prof. of Clinical Medicine, Emory Univ.; Chief, Medical Service, Emory Division, Grady Hospital, Atlanta, Ga.; *Physician-in-Chief pro tem.*, P. B. B. H., February 23 to February 29, 1936.

DR. O. H. PERRY PEPPER

B.S., Univ. of Pa., 1905; M.D., *ibid.*, 1908; Prof. of Medicine, University of Pennsylvania School of Medicine; *Physician-in-chief pro tem.*, P. B. B. H., January 17 to January 23, 1937.

SIR D'ARCY POWER, K.B.E.

M.A., M.B., Univ. of Oxford, 1882; F.R.C.S. (England), 1883; Consulting Surgeon, St. Bartholomew's Hospital, London, England; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 20 to May 5, 1924.

PROF. VITTORIO PUTTI

Professor of Orthopedics, University of Bologna; Director, Instituto Ortopedico Rizzoli; *Surgeon-in-Chief pro tem.*, P. B. B. H., May 30 to June 6, 1932.

DR. DAVID RIESMAN

M.D., Univ. of Pa., 1892; Prof. Clin. Med., *ibid.*; Physician, Philadelphia General Hospital and University Hospital, Pa.; *Physician-in-Chief pro tem.*, P. B. B. H., April 25 to May 2, 1927.

DR. EMMET RIXFORD

M.D., Cooper Medical College, San Francisco, 1891; Professor of Surgery, Leland-Stanford Jr. Univ.; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 25 to May 9, 1927.

SIR HUMPHREY ROLLESTON, Bart.

G.C.V.O.; K.C.B.; M.A. and M.D., Cambridge University; Fellow and sometime President of the Royal College of Physicians of London; Hon. D.Sc., D.C.L., LL.D.; Fellow and sometime President of the Royal Society of Medicine; Consulting Physician (Temporary Surgeon Rear-Admiral) to the Royal Navy, 1914-19; Emeritus Physician, St. George's Hospital, London; Physician-in-Ordinary to H. M., the King; Regius Professor of Physic, University of Cambridge, Cambridge, England; *Physician-in-Chief pro tem.*, P. B. B. H., March 25 to April 1, 1928.

PETER BENT BRIGHAM HOSPITAL

DR. CLARENCE L. STARR

M.B., Univ. of Toronto; M.D., Univ. of New York; LL.D.; Professor of Surgery, Univ. of Toronto; Surgeon-in-Chief, Toronto General Hosp.; *Surgeon-in-Chief pro tem.*, P. B. B. H., March 7 to March 16, 1926. Died December 25, 1928.

DR. ALFRED STENGEL

M.D., Univ. of Pa., 1889; Sc.D. Honorary, Univ. of Pittsburgh; LL.D., Lafayette College and Univ. of Pa.; Prof. of Medicine, Univ. of Pennsylvania School of Medicine; Vice-President, University of Pennsylvania; Physician, University Hospital, Philadelphia, Pa.; *Physician-in-Chief pro tem.*, P. B. B. H., April 22 to April 28, 1934.

SIR HAROLD J. STILES

Kt. cr. 1918; K.B.E., cr. 1919; M.B., C.M., F.R.C.S., Edinburgh; British Colonel, R.A.M.C.; Mem. Army Med. Advisory Board; Surgeon, Royal Edinburgh Hosp. for Sick Children, and Chalmers Hosp.; Professor of Clinical Surgery, 1919-25; Late Lecturer on Applied Anatomy, Univ. of Edinburgh; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 8 to April 21, 1923.

DR. WILLIAM S. THAYER

A.B., Harvard, 1885; M.D., *ibid.*, 1889; LL.D., Washington Coll., 1907; Hon. F.R.C.P.I., 1912; Brig. General, U. S. A. M. C., 1918-19; Professor of Medicine, Johns Hopkins Univ., 1919-21; Physician-in-Chief, Johns Hopkins Hosp., 1919-21; Visiting Physician, Johns Hopkins Hosp., 1921; *Physician-in-Chief pro tem.*, P. B. B. H., November 14 to November 21, 1913. Died December 10, 1932.

SIR CUTHBERT WALLACE

C.B., 1918; K.C.M.G., 1916; M.B., B.S., London; F.R.C.S., Eng.; Surgeon to St. Thomas' Hosp.; Dean, St. Thomas' Hosp. Med. School; Late Surgeon, East London Hosp. for Children; Lecturer on Surgery, St. Thomas' Hosp.; served in South Africa as Surgeon to Portland Hosp., 1900; European War, 1914-18; Maj. Gen., A. M. S.; Consulting Surgeon, B. E. F., France; *Surgeon-in-Chief pro tem.*, P. B. B. H., April 24 to May 8, 1922.

DR. ALLEN O. WHIPPLE

B.S., M.D., Sc.D., Columbia; Prof. of Surg., Columbia Univ.; Director, Surgical Service, Presbyterian Hosp., New York; *Surgeon-in-Chief pro tem.*, P. B. B. H., March 22 to March 29, 1937.

PROF. DAVID PERCIVAL DALBRECK WILKIE

O.B.E., M.D., M.Ch., F.R.C.S. (Edin. and Eng.); Professor of Surgery, University of Edinburgh; Surgeon to the Edinburgh Royal Infirmary; *Surgeon-in-chief pro tem.*, October 8 to October 11, 1929.

DR. ROLLIN TURNER WOODYATT

B.S., Univ. of Chicago, 1896; M.D., Rush Med. Coll., 1902; Clin. Professor of Medicine, Univ. of Chicago; Attending Physician, Presbyterian Hosp., Chicago; *Physician-in-Chief pro tem.*, P. B. B. H., December 16 to December 23, 1921.

Traveling Fellows in Surgery

LEO M. DAVIDOFF	1926
HARLAN F. NEWTON	1927
FRANC D. INGRAHAM	1928
WILLIAM DEG. MAHONEY	1932

George Gorham Peters Traveling Fellows

ARTHUR J. MCLEAN	1929
ERIC OLDBERG	1930
FRANK N. GLENN	1931
KENNETH W. THOMPSON	1933
S. MILTON DUPERTUIS	1934
THOMAS B. QUIGLEY	1935
ROBERT E. GROSS	1936

Harvey Cushing Fellows

KENNETH WADE THOMPSON	Mar. 1 -July 1, 1933
MAX T. SCHNITKER	Oct. 13, 1933-Mar. 1, 1934
SAMUEL R. SNODGRASS	Mar. 1, 1934-Aug. 1, 1934
CARL W. WALTER	July 1, 1934-July 1, 1935
J. HARTWELL HARRISON	Apr. 1 -June 1, 1935
THOMAS B. QUIGLEY	July 1, 1935-July 1, 1936
PHILIP SHAMBAUGH	Nov. 1, 1935-July 1, 1936
MICHEL PIJOAN	Aug. 1, 1936-Aug. 1, 1937
MAX T. SCHNITKER	Sept. 1, 1936-Sept. 1, 1937

Register of Present Members of the Staff

ABBREVIATIONS

P. B. B. H.—Peter Bent Brigham Hospital	M. G. H. —Massachusetts General Hospital
B. C. H. —Boston City Hospital	Harv. —Harvard University
J. H. H. —Johns Hopkins Hospital	H. O. —House Officer

ABELL, JR., WILLIAM IRVIN

B.A., Yale, 1931; M.D., Univ. of Louisville, 1935; *Surg. H. O., P. B. B. H.*, June 15, 1935-November 1, 1936; in practice, Louisville, Ky.

ALSEVER, JOHN BELLows

A.B., Syracuse Univ., 1930; M.D., Harv., 1934; Asst. in Pathol., Syracuse Med. Sch., 1934-35; *Med. H. O., P. B. B. H.*, February 15, 1935-July 1, 1936; *Asst. Res. Phys.*, *ibid.*

ANDERSON, FREDERICK MATHER

B.S., Univ. of Nevada, 1928; B.A., Oxford, 1931; M.D., Harv., 1934; *Surg. H. O., P. B. B. H.*, February 15, 1935-July 1, 1936; Asst. Res. Surg., New Haven Hosp.

AUB, JOSEPH C.

A.B., Harv., 1911; M.D., *ibid.*, 1916; Med. H. O., M. G. H., 1914-15; Asst. Phys., Russell Sage Inst. of Pathol., N. Y., 1915-16; Med. Res., M. G. H., 1916-17; U. S. Army, Base Hosp. No. 6, France, 1917-19; Instr. in Physiol., 1919, Asst. Prof. of Physiol., 1920-24, Asst. Prof. of Med., 1924-28, Harv.; Asst. in Med., 1921-22, Assoc. in Med., 1922-25, Assoc. Phys., 1925-28, M. G. H.; Physician-in-Chief, Huntington Mem. Hosp.; Assoc. Prof. of Med., Harv.; Sr. Assoc. Phys., *P. B. B. H.*; in consultation practice, Boston.

AYER, GUY DARRELL

B.S., Virginia Military Inst., 1929; M.D., Emory, 1933; Rotating Interne, Grady Hosp., Atlanta, 1933-34; *Pathol. H. O., P. B. B. H.*, November 1, 1934-March 1, 1936; Res. Pathol., Children's Hosp., Boston, March-July, 1936; Res. Pathol., B. L. I.

BAILEY, ORVILLE T.

A.B., Syracuse, 1928; M.D., Albany Medical Coll., 1932; Interne, Albany Hosp., 1932-33; *Pathol. H. O., P. B. B. H.*, 1933-34; Pathol. Res., Children's Hosp., 1934-35; Instr. in Pathol., Harv.; *Res. Pathol., P. B. B. H.*

BATES, ROBERT REED

B.S., Northwestern, 1931; M.D., *ibid.*, 1932; Interne, Passavant Mem. Hosp., 1932-33; *Surg. H. O., P. B. B. H.*, April 1, 1933-September 1, 1933 (resigned); *Surg. H. O., P. B. B. H.*, October 15, 1934-March 1, 1936; Surg. Fellow, Passavant Mem. Hosp., Chicago, 1936-37.

REGISTER OF PRESENT MEMBERS OF THE STAFF

BELL, JOHN FRYE

A.B., Yale, 1931; M.D., Harv., 1935; *Surg. H. O., P. B. B. H.*, February 15, 1936-July 1, 1937.

BLODGETT, JAMES BISHOP

A.B., Oberlin, 1932; M.D., Harv., 1936; *Surg. H. O., P. B. B. H.*

BLOTNER, HARRY

A.M., Harv., 1931; M.D., Tufts, 1924; Gen. Interne, Eastern Maine Gen. Hosp., 1924-25; *Asst. Res. Phys., P. B. B. H.*, 1925-26; *Jr. Assoc. in Med.*, *ibid.*, December 1, 1926-September 1, 1927, and January 24, 1929-December 31, 1933; Asst. in Med., Harv.; *Assoc. in Med.*, *P. B. B. H.*

BOONE, JOHN A.

A.B., Univ. of Texas, 1927; A.M., *ibid.*, 1929; M.D., Harv., 1933; H. O., M. G. H., 1933-34; H. O., House of Good Samaritan, 1934; *Med. H. O., P. B. B. H.*, October 15, 1934-March 1, 1936; Research Fellow in Med., Harv., 1936; *Asst. Res. Phys., P. B. B. H.*

BRANCH, CHARLES D.

A.B., Univ. Mich., 1927; M.D., *ibid.*, 1931; Interne, Lakeside Hosp., 1932-33; *Asst. Res. Surg., P. B. B. H.*, March 1, 1933-July 1, 1934; Arthur Tracy Cabot Fellow, Harv., 1934-35; *Jr. Assoc. in Surg.*, July 1, 1934-July 1, 1935, *Res. Surg.*, July 1, 1935-December 1, 1936, *P. B. B. H.*; Instr. in Surg., Harv.; *Jr. Assoc. in Surg.*, *P. B. B. H.*

BRENNER, CHARLES

A.B., Harv., 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H.*

BREWSTER, ALBERT H.

B.A., Univ. of Va., 1914; M.D., J. H. M. S., 1918; M. C., U. S. Army, 1917-19; Children's Hosp. Sch., Baltimore, Md., 1919-20; *Surg. H. O., P. B. B. H.*, February 15, 1920-July 1, 1921; Orthopedic Service, Children's Hosp., Boston; Instr., Orthopedic Surg., Harv.; Visit. Orth. Surg., N. E. Peabody Home for Crippled Children, and Industrial School for Crippled and Deformed Children; *Jr. Assoc. Orth. Surg., P. B. B. H.*; in practice, Boston.

BROOKS, FREMONT R.

A.B., Syracuse, 1932; D.D.S., Univ. of Mich., 1936; *Dental H. O., P. B. B. H.*

BROWN, FRANCIS JACK

B.A., Williams, 1931; M.D., Northwestern, 1936; Interne, St. Luke's Hosp., Chicago, 1935-36; *Med. H. O., P. B. B. H.*

BURGER, FRANKLIN D.

M.D., Univ. of Mich., 1936; *Surg. H. O., P. B. B. H.*

BURWELL, CHARLES SIDNEY

A.B., Allegheny Coll., 1914; M.D., Harv., 1919; LL.D. (Hon.) Allegheny Coll., 1936; Med. House Pupil, M. G. H., 1919-20; American

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Red Cross Comm. to West Russia, 1920; House Phys., M. G. H., 1920-21; Teaching Fellow in Med., Harv., 1921; Instr. in Med., Johns Hopkins Med. Sch., 1921-22; Res. Phys., J. H. H., 1921-22; Assoc. in Med., Johns Hopkins Med. Sch., 1922-24; Asst. Visit. Phys., J. H. H., 1922-24; Assoc. Prof. of Med., Vanderbilt Univ. Med. Sch., 1925-28; Visiting Phys., Vanderbilt Univ. Hosp., 1925-28; Prof. of Med., Vanderbilt Univ. Med. Sch., 1928-35; Phys. in Chief, Vanderbilt Univ. Hosp., 1928-35; Dean of the Faculty of Med., and Research Prof. Clin. Med., Harv.; *Physician, P. B. B. H.*

CANNON, WALTER BRADFORD

A.B., Harv., 1896; A.M., *ibid.*, 1897; M.D., *ibid.*, 1900; S.D., Yale, 1923; LL.D., Wittenberg, 1927, Boston University, 1929; Doctor, Liege, 1930; Doctor, Strasbourg, 1930; Doctor, Paris, 1931; C.B. (military), 1919; D.S.M., 1922; Instr. in Zoölogy, Harv., 1899-1900; Instr. in Physiol., *ibid.*, 1900-02; Asst. Prof. Physiol., *ibid.*, 1902-06; George Higginson Prof. Physiol., *ibid.*, 1906—; Fellow, Am. Acad., 1906; Mem. Am. Philos. Soc., 1908; Mem. Nat. Acad. of Sciences, 1914; Croonian Lecturer, Royal Society, London, 1918; Corr. Mem., Société de Biologie, Paris, 1919; Reale Accademia delle Scienze, Bologna, 1921; Nat. Acad. of Med., Buenos Aires, 1936; Hon. Mem. Sociedad de Biología, Buenos Aires, 1922; Assoc. Mem., Société Belge de Biologie and Société de Psychol., Paris, 1930; Nat. Acad. of Med., Spain, 1934; Foreign Honorary Fellow, Royal Society, Edinburgh, 1930; Exchange Professor for France, 1929-30; Baly Medalist, Royal College of Physicians, London, 1931; Member, Kaiserliche Deutsche Akademie der Naturforscher, Halle, 1932; Honorary Member, Academia de Medicina, Barcelona, 1932; Member, Board of Scientific Directors, Rockefeller Institute of Medical Research, 1936; *Consult. Physiol., P. B. B. H.*

CARBONE, FRANK STEVEN

D.M.D., Harv., 1934; *Dental H. O., P. B. B. H., July 1, 1934-July 1, 1935*; in practice, Beverly, Mass.

CASSADAY, PAUL BRINTON

S.B., Mt. Union Coll., 1930; M.D., Harv., 1934; *Med. H. O., P. B. B. H., June 15, 1934-November 1, 1935*; Asst. Res. Phys., *ibid.*, November 1, 1935-March 1, 1936; Research Fellow in Med., Harv., 1936; in practice, Nantucket, Mass.

CHEEVER, DAVID

A.B., Harv., 1897; M.D., *ibid.*, 1901; Surg. H. O., B. C. H., 1901-03; Asst. in Anat., Harv., 1903-08; Asst. Visit. Surg., B. C. H., 1905-12; Demonstr. in Anat., Harv., 1908-13; Asst. Prof. Surg. Anat., Harv.; Chief Surg., 2d Harv. Unit, B. E. F., France, 1915-16; Assoc. Prof. of Surg., Harv.; *Surg., P. B. B. H.*

CHRISTIAN, HENRY ASBURY

A.B., and A.M., Randolph-Macon, 1895; Grad. Stud., *ibid.*, 1895-96; LL.D., *ibid.*, 1923; M.D., Johns Hopkins, 1900; A.M., Harv., 1903;

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Sc.D., Jefferson, 1928; LL.D., Western Reserve, 1931; F. R. C. P. (Hon.), Can., 1936; Asst. Pathol., B. C. H., 1900-02; Asst. Visit. Pathol., *ibid.*, 1902-05; Asst. Visit. Pathol., Children's Hosp., Boston, 1902-05; Instr. in Pathol., Harv., 1902-05; Asst. Visit. Phys., Long Island Hosp., Boston, 1905; in charge of med. students, M. G. H., 1905-07; Instr. in Theory and Practice of Physic., Harv., 1905-07; Asst. Prof. of Theory and Practice of Physic, *ibid.*, 1907-08; Phys.-in-Chief, Carney Hosp., Boston, 1907-12; Dean, Faculty of Med. and Med. Sch., Harv., 1908-12; Fellow, Am. Acad., 1913, Corr. Mem., Wiener Gesellschaft. f. innere Medizin, etc., 1923; corr. member, Medico-Chirurgical Soc., Edinburgh, 1937; formerly Major, M. R. C., U. S. Army; Resident Chairman, Div. of Med. Sciences, Nat'l Research Council, Washington, D. C., 1919-20; Hersey Prof., Theory and Practice of Physic, Harv., since 1908; *Physician-in-Chief, P. B. B. H.*

CLAUSER, WILLIAM J.

A.B., DePauw Univ., 1929; B.S., Indiana Univ., 1932; M.D., *ibid.*, 1934; Interne, Cleveland City Hosp., 1934-35; Med. H. O., Albert Merritt Billings Hosp., Univ. of Chicago Clinics, 1935; *Med. H. O., P. B. B. H., October 15, 1935-November 1, 1936*; Asst. Phys., George F. Baker Clin., N. E. Deaconess Hosp., Boston.

COLBY, FLETCHER H.

S.B., Dartmouth, 1914; M.D., Harv., 1918; served with B. C. H. unit, Evacuation Hosp. No. 110, during war; Surg. Interne, M. G. H., 1919-21; Ludlow-Jute Co., Ltd., Calcutta, India, 1921-23; *Asst. Res. Surg., P. B. B. H., January 1, 1924-January 1, 1925; Jr. Assoc. in Urol., ibid., January 22, 1925-October 1, 1926; Act. Assoc. in Surg., ibid., July-September, 1927; Assoc. Urol., M. G. H.; Asst. in G. U. Surg., Harv.; Asst. Surg., Palmer Mem. Hosp.; Asst. Surg., Huntington Mem. Hosp.; Jr. Assoc., Urol. Surg., P. B. B. H.*; in practice, Boston.

CONTRATTO, ANDREW W.

A.B., Univ. Utah, 1928; M.D., Univ. Pa., 1932; Med. Interne, Univ. of Pa., 1932-34; *Asst. Res. Phys., P. B. B. H., August 1, 1934-August 1, 1936; Asst. in Med., Harv.; Jr. Assoc. in Med., P. B. B. H.*; in practice, Boston, Mass.

CUSHING, HARVEY

A.B., Yale, 1891; A.M. and M.D., Harv., 1895; House Pupil, M. G. H., 1895-96; Res. Surg., J. H. H., 1896-1900; successively Asst., Instr. and Assoc. Prof. in Surg., J. H. M. S., 1898-1912; Hon. F.R.C.S., London, 1913, Ireland, 1918, and Edinburgh, 1927; Hon. A.M., Yale, 1913; D.Sc., Washington, 1915, and Yale, 1919; LL.D., Western Reserve, 1919, Cambridge, 1920, Glasgow, 1927, Edinburgh, 1927; Litt.D., Jefferson, 1926, Dartmouth, 1929; Dr. (*Hon. caus.*), Strasbourg, 1929, Brussels, 1930, Bern, 1931, Budapest, 1931, Amsterdam, 1932, Paris, 1933, Am. Acad. of Arts and Sciences, 1914, Nat. Acad. Sciences, 1917, Am. Phil. Soc., 1930; Director, U. S.

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Army Base Hosp. No. 5, 1916-19; Col., M. C., U. S. A.; Companion of the Bath; D.S.M.; Offic. Legion d'Honneur; Stud., St. Bartholomew's, 1922; Mickle Fellow, Univ. of Toronto, 1922; Cameron Prize, Univ. of Edinburgh, 1924; MacEwen Lecturer, Univ. of Glasgow, 1927; Lister medalist, Royal Coll. Surg. (London), 1930; Moseley Prof. of Surg., Harv., 1912-32; *Surgeon-in-Chief, P. B. B. H.*, 1912-32; *Surgeon-in-Chief Emeritus, ibid.*; Sterling Prof. of Neurol., *emeritus*, Yale.

CUTLER, ELLIOTT CARR

A.B., Harv., 1909; M.D., *ibid.*, 1913; *Surg. H. O., P. B. B. H., November 1, 1913-March 1, 1915*; Res. Surg., Harv. Unit, Am. Ambulance Hosp., Paris, France, 1915; Res. Surg., M. G. H., 1915-16; Alumni Asst. in Surg., Harv., 1915-16; Vol. Asst., Rockefeller Inst., New York, 1916-17; Major, M. C., U. S. Army; D.S.M., 1917-19; Instr. in Surg., Harv., 1921-24; *Res. Surg., P. B. B. H., August 1, 1919-September 1, 1921*; *Assoc. in Surg., ibid., September 1, 1921-July 1, 1924*; Chairman, Dept. of Surg., and Director of Lab. of Surg. Research, Harv., 1922-24; Prof. of Surg., Western Reserve Univ. Med. Sch., and Chief Surg., Lakeside Hosp., Cleveland, Ohio, 1924-32; Moseley Prof. of Surg., Harv.; *Surgeon-in-Chief, P. B. B. H.*

DENNY, GEORGE PARKMAN

A.B., Harv., 1909; M.D., *ibid.*, 1913; *Med. H. O., P. B. B. H., June 1, 1913-July 1, 1914*; Vol., Lab. of Physiol. Research, Johns Hopkins, 1914-15; Capt., M. C., U. S. Army; Alumni Asst. in Med., 1915-16, Supervisor Student Health, 1917-18, Physician to Students, 1919-20, Alumni Asst. in Med., 1920-23, Director of Alumni Appointments and Physician to Students, 1923-30, Harv.; Attend. Phys., Channing Home, Boston, 1917-28; Assoc. Chief, Med. Dept., Boston Disp., 1924-28; *Assoc. in Med., P. B. B. H.*

DERICK, CLIFFORD L.

M.D., McGill, 1918; H. O., Montreal Gen. Hosp., 1919-22; Fellow, Nat. Research Council, 1922-23; *Asst. Res. Phys., P. B. B. H., 1923-24*; Asst. in Med. and Research Fellow in Bio-Chemistry, Harv., 1923-24; Asst. Res. Phys., Rockefeller Hosp., New York, 1924-28; Asst. Prof. Med., Harv., 1928-35; *Physician, P. B. B. H., 1928-35*; Assoc. in Med., Harv.; *Sr. Assoc. in Med., P. B. B. H.*; in practice, Boston, Mass.

DIACK, JR., ARCHIBALD W.

A.B., Dartmouth, 1929; M.D., Univ. of Mich., 1933; *Med. H. O., P. B. B. H., February 15, 1934-July 1, 1935*; *Surg. H. O., ibid., November 1, 1935-March 1, 1937*.

DUNPHY, JOHN E.

A.B., Holy Cross, 1929; M.D., Harv., 1933; *Surg. H. O., P. B. B. H., September 1, 1933-November 1, 1934*, *Asst. Res. Surg., 1934-36, P. B. B. H.*; Instr. in Surg., Harv.; *Res. Surg., P. B. B. H.*

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DUPERTUIS, SAMUEL MILTON

B.S., Harv., 1928; M.D., *ibid.*, 1932; *Surg. H. O., P. B. B. H.*, October 1, 1932-March 1, 1934; George Gorham Peters Traveling Fellow, 1934-35; *Asst. Res. Surg.*, July 1, 1935-November 1, 1936; Surgeon, U. S. Public Health Service, New York.

DURANT, RICHARD C.

B.A., Yale, 1928; M.D., Harv., 1934; *Surg. H. O., P. B. B. H.*, October 15, 1934-March 1, 1936; Res. Surg., First Surg. Service, B. C. H., 1936-37; Teaching Fellow in Surg., Tufts, 1936-37; Asst. Res. Surg., Doctors' Hosp., New York.

EMERY, JR., EDWARD STANLEY

A.B., Harv., 1916; M.D., *ibid.*, 1920; *Med. H. O., P. B. B. H.*, November 1, 1920-March 1, 1922; *H. O. X-ray Dept.*, *ibid.*, July 1, 1922-July 1, 1923; Stud. in Clin. of Doctor Sippy, Presbyterian Hosp., Chicago, 1923-24; Asst. in Med., Harv., 1925-29; Phys. to Boston Disp., 1925-26; Instr. in Med., Harvard; *Jr. Assoc. in Med.*, *P. B. B. H.*, April 24, 1924-May 10, 1926; *Assoc. in Med.*, *ibid.*

EPPINGER, EUGENE CHARLES

A.B., Williams, 1926; M.D., Harv., 1930; H. O., B. C. H. (Neuro.) 1930-31; *Med. H. O.*, March 1, 1931-July 1, 1932, *Asst. Res. Phys.*, 1932-33, *Res. Phys.*, 1933-36, *P. B. B. H.*; Physician, Industrial Relations Div., Procter and Gamble Co.; Instr. in Med., Cincinnati Coll. of Med.; Asst. Clinician, Cincinnati General Hosp.

ETHRIDGE, CLAYTON BERNARD

M.D., Univ. of Va., 1933; *Med. H. O., P. B. B. H.*, July 1933-November 1934; Fellow in Med., Harv., 1934-35; *Asst. Res. Phys.*, *P. B. B. H.*, 1935-36; Clin. Instr. in Med., George Washington Univ.; in practice, Washington, D. C.

EVANS, WILLIAM

A.B., Williams, 1926; M.D., Johns Hopkins, 1930; *Med. H. O., P. B. B. H.*, July 1, 1930-February 19, 1931, and October 1, 1931-July 1, 1932; Vol. Asst., Med. Clin., Wurzburg, October, 1932-May, 1933; Research Fellow in Med., Harv., 1933-34; *Vol. Grad. Asst.*, *P. B. B. H.*, 1933-34; *Asst. Res. in Med.*, *P. B. B. H.*, September, 1934-June, 1936; in practice, Detroit, Mich.

FITZ, REGINALD

A.B., Harv., 1906; M.D., *ibid.*, 1909; Med. House Pupil, M. G. H., 1910-11; Vol. Asst. in Pharmacol. and in Med. Clinic, J. H. H., 1911-12; *Sr. Med. H. O., P. B. B. H.*, November 1, 1912-July 1, 1913; *Asst. Res. Phys.*, *ibid.*, July 1, 1913-September 1, 1915 (granted leave of absence to December 31, 1916); Fellow in Physiol., Harv., 1914-15; Asst. Res. Phys., Rockefeller Inst. Hosp., New York; Major, M. C., U. S. Army, 1917-19; Assoc. in Med. and Act. Res. Phys., M. G. H., 1919-20; Mayo Clinic and Mayo Foundation, 1920-22; Assoc. Prof. of Med., Harv., 1922-36; *Phys.*, *P. B. B. H.*, 1922-36; Director,

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Evans Memorial Hosp.; Wade Prof. of Med., Boston Univ. Sch. of Med.; Lecturer on the History of Med., Harv.; *Consult. Phys.*, *P. B. B. H.*

FLEMING, ROBERT

A.B., Trinity, 1924; A.M., Harv., 1926; M.D., *ibid.*, 1930; *Med. H. O., P. B. B. H.*, November 1, 1930-March 1, 1932; Senior Phys., Boston Psychopathic Hosp., 1932-35; Rockefeller Fellow, Montreal Neurol. Inst. and National Hosp., Queen's Square, London, 1935-36; *Jr. Assoc. in Med., P. B. B. H.*

FLYNN, JOHN MOLLOY

A.B., Boston College, 1923; M.D., Harv., 1927; *Med. H. O., P. B. B. H.*, November 1, 1927-March 1, 1929; Asst. in Med., Harv.; *Jr. Assoc. in Med., P. B. B. H.*, 1930-36; *Assoc. in Med., ibid.*; in practice, Boston.

FRIEDGOOD, HARRY B.

A.B., Univ. of Mich., 1924; M.D., Johns Hopkins, 1928; Act. Interne, Simpson Memorial Inst., Ann Arbor, Mich., 1927-28; *Med. H. O., P. B. B. H.*, November 1, 1928-March 1, 1930; Jr. Instr. in Int. Med., Univ. of Mich., 1930; Instr. in Int. Med., *ibid.*, 1930-32; Asst., 1932-33, Instr. 1933-34, in Pharm. and Exp. Therapy, and Jacques Loeb Fellow, 1932-34, Johns Hopkins; Fellow, Nat. Research Council, 1934-35, Gen. Educat. Bd., 1935-36; Research Fellow, 1934-36, in Physiol., and Instr. in Med., 1936, Harv.; *Jr. Assoc. in Med., P. B. B. H.*

FRIEND, DALE G.

B.A., 1930, M.S., 1931, Univ. of Iowa; M.D., Harv., 1935; Asst. to Clin. and Pathol. Chemist, Univ. Hosp., Iowa City, 1930-31; *Med. H. O., P. B. B. H.*, October 15, 1935-November 1, 1936; *Asst. Res. Phys., ibid.*

FROTHINGHAM, CHANNING

A.B., Harv., 1902; M.D., *ibid.*, 1906; *Med. H. O., B. C. H.*, 1906-07; Asst. Visit. Phys., Carney Hosp., O. P. D., Boston, 1908-12; Sec'y, Faculty of Med., Harv., 1908-13; Asst. in Theory and Practice of Physic, *ibid.*, 1908-12; Instr. in Med., *ibid.*, 1913-22; Lieut. Col., M. C., U. S. Army, June 1, 1917-December 5, 1918; Asst. Prof. of Med., Harv., 1922-28; Assoc. Clin. Prof. of Med., Harv., 1928-33; Chairman, Dept. of Med., *ibid.*, 1928-33; *Physician, P. B. B. H.*, 1912-32; Physician-in-Chief, Faulkner Hosp.; *Consult. Phys., P. B. B. H.*

FULTON, MARSHALL N.

Ph.B., Brown Univ., 1920; Rhodes Scholar, Oxford; A.B., Oxford Univ., 1922; M.D., Johns Hopkins, 1925; Vol. Asst. in Pathol., Johns Hopkins, September, 1925-February, 1926; *Med. H. O., P. B. B. H.*, March 1, 1926-July 1, 1927; *Asst. Res. Phys., ibid.*, September 1, 1927-September 1, 1929; *Res. Phys., ibid.*, September 1, 1929-September 1, 1931; Jr. Asst. Visit. Phys., R. I. Hosp., Prov., 1931-32; Asst. in Med., 1929-33, Instr., 1933-36, Assoc. in Med., Harv.; *Jr. Assoc. in Med., 1931-34, Physician, P. B. B. H.*

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GOERINGER, CLAIRE F.

A.B., Univ. of Pa., 1931; M.D., Johns Hopkins, 1935; Med. Interne, Baltimore City Hosp., 1935-36; *Surg. H. O., P. B. B. H.*

GRABFIELD, GUSTAVE PHILIP

A.B., Williams, 1912; M.D., Harv., 1915; Teaching Fellow, Dept. of Pharmacol., *ibid.*, 1915-16; *Med. H. O., P. B. B. H., March 1, 1916-June 17, 1917*; Capt., M. C., U. S. Army, 1917-19; Asst. in Roent., Univ. of Mich. Hosp., 1919-20; Instr. in Pharm., 1920-21; Asst. in Pharm., 1921-22; Instr. in Pharm. and Asst. in Med., 1922-24, Assoc. in Pharm., Harv.; *Jr. Assoc. in Med., 1922-25; Assoc. in Med., P. B. B. H.*

GREEN, WILLIAM T.

A.B., Indiana Univ., 1921; A.M., *ibid.*, 1922; M.D., *ibid.*, 1925; Instr. in Anat., Indiana Univ., 1921-22; Interne, Indiana Univ. Hosp.; Asst. Res. Surg., Henry Ford Hosp., Detroit; *Surg. H. O., P. B. B. H., August 1, 1929-February 1, 1930; Asst. Res. Surg., ibid., February 1, 1930-October 1, 1930; Jr. Assoc. in Orth. Surg., ibid.*

GROSS, ROBERT E.

B.A., Carlton Coll., 1927; M.D., Harv., 1931; Pathol. H. O., Children's Hosp., 1931; Surg. H. O., *ibid.*, 1932-33; *Pathol. H. O., 1933-34, Res. Pathol., 1934-35, Asst. Res. Surg., 1935-37, P. B. B. H.*; George Gorham Peters Traveling Fellow.

GUNDERSON, TRYGVE

M.D., Harv., 1926; *Surg. H. O., P. B. B. H., November 1, 1926-March 1, 1928; Ophthalmic Interne, Mass. E. and E. Infir.*, 1929-30; Clin. Asst., *ibid.*; Asst. in Ophth. Res., Howe Lab. of Ophthalmology; Asst. in Ophthalmology, Harv.; *Assoc. in Ophthalmology, P. B. B. H.*; in practice, Boston.

HADLER, ARTHUR JOSEPH

A.B., Harv., 1931; M.D., Harv., 1935; *Med. H. O., P. B. B. H.*

HALBERSLEBEN, DAVID L.

A.B., Univ. of Nebraska, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H., July 1, 1928-November 1, 1929; Visit. Phys., Channing Home; Jr. Assoc. in Med., P. B. B. H.*; in practice, Roslindale, Mass.

HALL, DONALD T.

B.S., Univ. of Wash., 1931; M.D., Harv., 1935; *Surg. H. O., P. B. B. H., June 15, 1935-November 1, 1936*; Surgeon aboard the sloop *Yankee* on a cruise around the world.

HARE, HUGH F.

M.D., Harv., 1928; Interne, Univ. Hosp., Ann Arbor, Mich., 1928-30; *H. O., Roent., P. B. B. H., July 1, 1930-July 1, 1931; Asst. Res. Roent., ibid., July 1, 1931-October 1, 1932*; Radiologist, Lahey Clin., Boston; Roentgenologist, Middlesex Co., San., Waltham; Assoc. in Roent., *ibid.*

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HARRISON, JOHN HARTWELL

B.S., Univ. of Va., 1929; M.D., *ibid.*, 1932; Med. Interne, Lakeside Hosp., 1932-33; *Surg. H. O., P. B. B. H., November 1, 1933-March 1, 1935; Harvey Cushing Fellow, ibid., 1935; Urological Fellow, ibid.*

HARVEY, EARLE A.

B.S., Univ. of Wash., 1925; M.D., Harv., 1929; *Med. H. O., P. B. B. H., November 1, 1929-March 1, 1931; House Phys., Mercy Hosp., Denver, Colo., July 1, 1931-April 1, 1933; Jr. Assoc. in Med., P. B. B. H.; in practice, Boston.*

HASTINGS, A. BAIRD

A.B., Univ. Mich., 1917; Ph.D., Columbia, 1921; Hamilton Kuhn Prof. Biological Chemistry, Harv.; *Consulting Chemist, P. B. B. H.*

HOERR, STANLEY O.

A.B., Antioch, 1932; M.D., Harv., 1936; *Surg. H. O., P. B. B. H.*

HOMANS, JOHN

A.B., Harv., 1899; M.D., *ibid.*, 1903; House Pupil, M. G. H., 1903-04; Asst. in Hunterian Lab., Johns Hopkins, 1908-09; Vol. Asst. Surg., Children's Hosp., Boston, 1909-10; Surg., M. G. H., O. P. D., 1910-12; Asst. in Surg., Harv., 1910-13; Surg., Boston Disp, 1913-14; Assoc. in Surg., Harv., 1914-15; Major, M. C., U. S. Army, 1918-19; Clin. Prof. Surg., Harv.; *Surg., P. B. B. H.; William H. Camalt Prof. Surg., Yale.*

HOWLAND, JOSEPH BRIGGS

M.D., Harv., 1896; Surg. House Pupil, M. G. H., 1896-97; Asst. Phys., State Hosp., Tewksbury, Mass., 1898-1901; Asst. Supt., *ibid.*, 1901-02; Supt., State Colony for the Insane, Gardner, Mass., 1902-07; Asst. Res. Phys., M. G. H., 1907-17; Asst. Administrator, *ibid.*, 1908-17; Act. Administrator and Res. Phys., *ibid.*, 1917-19; Pres., American Hosp. Assoc., 1919-20; Mem. Mass. State Bd. of Reg. of Nurses, 1919-24; Pres., N. E. Hosp. Assoc., 1921-22; Trustee, *ibid.*, 1922-36; Pres., Local Med. Supt's Club; Pres., Hosp. Council of Boston and Trustee, Mass. Hosp. Ass'n; Lecturer, Hosp. Adm., Harv.; Sec'y, Harvard Cancer Comm.; Administrator, Collis P. Huntington Mem. Hosp. (Harv.); *Supt., P. B. B. H.*

HOYT, LYMAN H.

B.S., Univ. of Iowa; M.D., *ibid.*, 1925; Med. Interne, Univ. Hosp., Iowa City, 1925-26; Asst. in Med., Harv.; *Asst. Res. Phys., 1926-27; Jr. Assoc. in Med., 1927-35; Assoc. in Med., P. B. B. H.*

JARRETT, PAUL F.

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KANEK, GEORGE D.

A.B., Clark Univ., 1931; M.D., C.M., McGill, 1936; *Vol. Grad. Asst. in Pathol.*, 1936, *Pathol. H. O., P. B. B. H.*

KEELEY, JOHN L.

B.S., Loyola, 1927; M.D., *ibid.*, 1930; Asst. in Microscopic Anat., 1926-27; Interne, Mercy Hosp., Chicago, 1929-30; Asst. Phys., Dept. of Student Health, Univ. of Wisconsin, 1931-33; Asst. Res. Surg., State of Wisconsin General Hosp., 1933-34; Res. Surg., *ibid.*, 1934-35; Res. and Instr. in Surg., *ibid.*, 1935-36; Arthur Tracy Cabot Fellow, Harv.; *Jr. Assoc. in Surg., P. B. B. H.*

KENDALL, LEE GORDON

A.B., Harv., 1925; M.D., *ibid.*, 1930; *Surg. H. O., P. B. B. H.*, October 1, 1930-February 1, 1932; Asst. Res. Surg., *ibid.*, February 1, 1932-September 1, 1932; Asst. Res. Surg., N. Y. Hosp., 1932-35; *Jr. Assoc. in Surg., P. B. B. H.*

KENNARD, JOHN H.

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KENNEDY, JAMES A.

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KIMBALL, STANLEY

M.D., Harv., 1935; *Med. H. O., P. B. B. H.*, June 15, 1935-March 1, 1937.

KIMMEL, CHARLES B.

B.A., Northcentral Coll., Naperville, Ill., 1929; M.D., 1932, M.S., 1934, Northwestern; Interne, Evanston Hosp., 1932-33; *Med. H. O., October 15, 1935-November 1, 1936, Jr. Asst. Res. in Roent., P. B. B. H.*

KING, SAMUEL J.

B.S., Juniata Coll., 1928; M.D., Harv., 1934; *Med. H. O., P. B. B. H.*, October 15, 1934-March 1, 1936; Grad. Asst., N. E. Med. Center; Asst. in Med., Tufts; in practice, Boston.

KNOWLTON, WILSON WARNER

B.S., Bowdoin, 1922; M.D., Harv., 1926; M.P.H., *ibid.*, 1934; Interne, Rochester Gen. Hosp., Rochester, N. Y., 1926-27; County Health Officer, Louisiana, 1927-29; State District Health Officer, Mass. Dept. Public Health, 1929-34; Second Asst. Supt., *P. B. B. H.*, March 5, 1934-April 1, 1937; First Asst. Supt., *ibid.*

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KUTZER, MAX

A.B., Harv., 1932; M.D., *ibid.*, 1936; *Med. H. O., P. B. B. H.*

LARKIN, JOHN C.

A.B., Johns Hopkins, 1931; M.D., *ibid.*, 1935; *H. O. in Roent., P. B. B. H.*

LEVINE, SAMUEL ALBERT

A.B., Harv., 1911; M.D., *ibid.*, 1914; *Assoc. in Med., P. B. B. H., July 1, 1914-July 1, 1915; Med. H. O., ibid., July 1, 1915-November 1, 1916*; Moseley Traveling Fellow, Harv., 1916-17; Asst., Rockefeller Inst. Hosp., New York, 1916-17; Capt., M. C., U. S. Army, 1917-19; Instr. in Med., Harv., 1919-30; Consult. Phys., Boston Psychopathic Hosp., 1921-24; Phys. to Boston Disp., 1924-26; Visit. Phys., Beth Israel Hosp., 1928-33; *Assoc. in Med., P. B. B. H., August, 1919-March, 1928*; Asst. Prof. of Med., Harv.; Sr. Assoc. in Med., P. B. B. H.

LINDBERG, HOWARD A.

M.D., Northwestern, 1934; Interne, Evanston Hosp., 1934-35; *Asst Res. Phys., P. B. B. H., January 1, 1936-January 1, 1937*; Fellow in Med., Northwestern Univ.

LYNCH, GEORGE WILLIAM

A.B., Harv., 1929; M.D., *ibid.*, 1933; *Med. H. O., P. B. B. H., October 15, 1933-March 1, 1935*; Asst., George F. Baker Clin., N. E. Deaconess Hosp., Boston; Asst. Visit. Phys., L. I. Hosp., Boston; *Jr. Assoc. in Med., P. B. B. H.*

LYONS, RICHARD HUGH

A.B., Univ. of Mich., 1932; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H.*

MACDONALD, DONALD

B.A., Johns Hopkins, 1922; M.D., *ibid.*, 1926; *Jr. Assoc. in Otolaryngology, P. B. B. H., April 24, 1930-June 12, 1936*; in practice, Boston.

MACPHERSON, DONALD JOHN

B.S., Univ. of Rochester, 1911; M.D., Harv., 1915; *Med. H. O., P. B. B. H., July 1, 1915-November 1, 1916*; *Asst. Res. Phys., ibid., November, 1916-June 22, 1917*; Capt., M. C., U. S. Army, 1917-19; Instr. in Neuropathol., Harv.; *Assoc. in Med., P. B. B. H.*; in practice, Boston.

MARLOW, JR., FRANK WILLIAM

B.S., Hamilton, 1923; M.D., Harv., 1927; *Med. H. O., P. B. B. H., July, 1927-November, 1928*; Asst. Res., New Haven Hosp., 1928-29; Asst. in Med., Yale, November, 1928-July, 1929; Asst. in Med., M. G. H., 1929-34; Physician, Faulkner Hosp.; Asst. in Med., Harv.; *Assoc. in Med., P. B. B. H.*; in practice, Brookline, Mass.

MARQUIS, HAROLD

A.B., Univ. of Calif., 1930; M.D., *ibid.*, 1934; Interne and Asst. Res. San Francisco Hosp., 1933-35; *Asst. Res. Phys., P. B. B. H.*

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MASSIE, EDWARD

A.B., Wash. Univ., 1931; M.D., *ibid.*, 1935; Interne, Medical Service, Barnes Hosp., 1935-36; *Asst. Res. Phys.*, P. B. B. H.

McCLURE, WILLIAM C.

B.A., Univ. Okla., 1932; B.M., *ibid.*, 1933; M.D., *ibid.*, 1936; *Med. H. O.*, P. B. B. H.

MILLER, JR., JOSEPH L.

B.S., Univ. of Chicago, 1931; M.D., *ibid.*, 1935; *Med. H. O.*, P. B. B. H., June 15, 1935-March 1, 1937.

MINER, LEROY M. S.

Dean, Harv. Dental Sch.; *Consult. in Dental Surg.*, P. B. B. H.

MINOT, GEORGE R.

A.B., Harv., 1908; M.D., *ibid.*, 1912; S.D., Harv., 1928; Fellow, American Academy Arts and Sciences; Honorary Fellow, Royal College of Phys., Edinburgh, 1931; Correspondent etranger, Royal Acad. of Med., Belgium, 1931; Hon. Fellow, Royal Society of Med., London, 1932; Hon. Fellow, N. Y. Academy of Med., 1933; Hon. Fellow, Inst. of Med. of Chicago, 1933; Nobel Laureate in Med. and Physiol., 1934; Fellow, American Philosophical Society, 1935; Member, Kaiserlich Leopold Carolin Deutsche Akademie der Naturforscher, 1935; Hon. Member, Society of Biological Chemists, India, 1936; Med. H. O., East Med. Serv., M. G. H., July, 1912-December, 1913; *Asst. Res. Phys.*, Johns Hopkins, 1913-14; *Asst. in Med.*, Johns Hopkins, 1914-15; Special Research Worker, Johns Hopkins, 1914-15; *Asst. in Med.*, Harv., 1915-18; *Asst. in Med.*, M. G. H., 1915-18; *Asst. in Chem.*, Harv., 1915-16; Dalton Scholar, M. G. H., 1916-20; Visit. Phys., St. Luke's Convalescent Home, Boston, 1916-18; Assoc. in Med., M. G. H., 1918-23; *Asst. Consult. Phys.*, Huntington Mem. Hosp., 1917-19; Phys., *ibid.*, 1919-23; Contract Surg., U. S. A., September, 1917, and September 15-November, 10, 1918; *Consult. Phys.*, Mass. Eye and Ear Infirmary, 1922-24; Phys. to Special Clinic, M. G. H., 1923-25; *Asst. Prof. of Med.*, Harv., 1918-27; Clin. Prof. of Med., *ibid.*, 1927-28; Phys. and Chief of Med. Labs., Huntington Mem. Hosp.; *Assoc. in Med.*, P. B. B. H., February 12, 1925-March 8, 1928; Member, Board of Consultation, M. G. H.; Director, Thorndike Mem. Lab. and Visiting Phys., Second and Fourth Medical Services (Harv.), Boston City Hospital; *Consult. Phys.*, Beth Israel Hosp.; Prof. of Med., Harv.; *Consult. Phys.*, P. B. B. H.

MONROE, ROBERT THORNHILL

A.B., Univ. of Mich., 1918; M.D., *ibid.*, 1924; *Med. H. O.*, P. B. B. H., July 1, 1924-November 1, 1925; *Asst. Res. Phys.*, *ibid.*, November 1, 1925-September 1, 1926; *Asst. in Med.*, 1926-28, Istr. in Med., 1928-31, Faculty Instr., 1931-35, Assoc. in Med., Harv.; *Jr. Assoc. in Med.*, 1926-32, *Assoc. in Med.*, 1932-36, *Physician*, P. B. B. H.

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MUNCE, RICHARD THOMAS

B.A., Univ. of Maine, 1931; M.D., Harv., 1935; *Surg. H. O., P. B. B. H.*

MURPHY, WILLIAM P.

A.B., Univ. Ore., 1914; M.D., Harv., 1922, as of 1920; Nobel Laureate in Med. and Physiol., 1934; Commander, First Rank, Order of the White Rose, Finland, 1934; Member, Kaiserlich Leopold Carolin Deutsche Akademie der Naturforscher, 1935; H. O., R. I. Hosp., 1920-22; *Asst. Res. Phys., P. B. B. H., 1922-23*; Asst., 1924-28, Instr., 1928-35; Assoc. in Med., Harv.; Jr. Assoc. in Med., 1923-26, Assoc. in Med., 1926-35, Sr. Assoc. in Med., P. B. B. H.

MYHRE, WILLIAM N.

M.D., St. Louis Univ., 1931; Interne, St. Luke's Hosp., Spokane, Wash., 1931-32; *Med. H. O., P. B. B. H., March 1, 1934-July 1, 1935*; *H. O., Roent., ibid., July 1, 1935-July 1, 1936*; Asst. Res. in Roent., *ibid.*

NEWTON, FRANCIS CHANDLER

A.B., Amherst, 1915; M.D., Harv., 1919; *Surg. H. O., P. B. B. H., March 15, 1919-July 1, 1920*; Asst. Res. Surg., *ibid.*, July 1, 1920-September 1, 1921; Res. Surg., *ibid.*, September 1, 1921-July 1, 1923; Jr. Assoc. in Surg., *ibid.*, July 1-September 15, 1923; Asst. in Surg., Harv., 1920-23; Moseley Trav. Fellow, *ibid.*, 1923-24; Vol. Asst., Phys. Inst., Berne, Switzerland, 1923-24; Instr. in Surg., Harv., 1924-28; Supervisor of Surg. Lab., *ibid.*, 1925-32; Consult. Surg., N. E. Peabody Home for Crippled Children; Assoc. in Surg., Harv.; *Assoc. in Surg., P. B. B. H., 1924-28*; Sr. Assoc. in Surg., *ibid.*

NEWTON, HARLAN FAY

A.B., Yale, 1916; M.D., Harv., 1920; Pathol. H. O., B. C. H., 1920-21; *Surg. H. O., P. B. B. H., November 1, 1921-March 1, 1923*; Asst. Res. Surg., *ibid.*, October 1, 1923-July 1, 1924; Res. Surg., *ibid.*, July 1, 1924-October 1, 1926; Austin Teach. Fellow in Surg., Harv., 1924-27; Workman Fellow in Physiol., *ibid.*, 1926-27; *Moseley and P. B. B. H. Travel. Fellow in Surg., 1927-28*; Asst., first Med. Clin., Hamburg-Eppendorf, Germany, 1927-28; Austin Teach. Fellow in Surg., Harv., 1928-31; Faculty Instr. in Surg., *ibid.*; Jr. Assoc. in Surg., P. B. B. H.

OBER, FRANK R.

M.D., Tufts, 1905; Clin. Prof. Orth. Surg., Harv.; *Consult. in Orthopedic Surg., P. B. B. H.*

O'CONNOR, JOHN B.

B.A., Univ. Mo., 1930; M.D., Harv., 1934; Asst. Res., Trudeau, N. Y., 1934-35; Res. Phys., Gabriels' San., Gabriels, N. Y., 1935-37; *Med. H. O., P. B. B. H.*

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O'HARE, JAMES PATRICK

A.B., Harv., 1908; M.D., *ibid.*, 1911; Med. H. O., B. C. H., So. Dept., 1911; Med. H. O., Carney Hosp., Boston, 1912-13; Fellow in Med., Harv., 1913-15; Asst. Visit. Phys., Carney Hosp., 1913-14; Asst. Visit. Phys., B. C. H., 1915; Asst. in Med., Harv., 1915-18; *Assoc. in Med.*, *P. B. B. H.*, July 1, 1915-August 1, 1917; *Act. Phys.*, *ibid.*, August 1, 1917-February 1, 1918; *Assoc. in Med.*, *ibid.*, February 1-April 1, 1918; *Act. Phys.*, *ibid.*, April 1, 1918-January 1, 1919; *Assoc. in Med.*, *ibid.*, January 1, 1919-March 8, 1928; Instr. in Med., Harv., 1927-30; Asst. Prof. of Med., *ibid.*; *Sr. Assoc. in Med.*, *P. B. B. H.*

OLIVER, E. LAWRENCE

M.D., Harv., 1904; Med. H. O., B. C. H., 1905-07; Derm. H. O., M. G. H., 1907-09; Asst. Dermatologist, *ibid.*, 1910-23; *Assoc. in Dermatology*, *ibid.*, 1923-24; Consult. Dermatologist, Boston Lying-In Hosp., Beth Israel Hosp., Children's Hosp., Long Island Hosp., Faulkner Hosp., Cable Mem. Hosp., Ipswich, Elliot Community Hosp., Keene, N. H., Mass. Eye and Ear Infir. ; Member, Board of Consultation, M. G. H.; Consult. Dermatologist, Salem Hosp., Salem, Mass., Mass. Soldiers' Home, Chelsea; Clin. Prof. Emeritus Dermatology and Syphilology, Harv.; *Consult. Dermatologist*, *P. B. B. H.*

PETERSON, RICHARD L.

A.B., Univ. Nebraska, 1930; M.D., Harv., 1934; *Surg. H. O.*, *P. B. B. H.*, February 15, 1935-July 1, 1936; in practice, Coeur d'Alene, Idaho.

PIJOAN, MICHEL

B.A., Pomona Coll., Claremont, Calif., 1929; Fellow, Rockefeller Inst. for Med. Research, 1929-30; M.D., Johns Hopkins, 1934; *Harvey Cushing Fellow*, *P. B. B. H.*

PUTNAM, LAWRENCE ELIAS

A.B., Harv., 1930; M.D., *ibid.*, 1934; *Med. H. O.*, *P. B. B. H.*, Feb-15, 1935-July 1, 1936.

QUIGLEY, THOMAS BARTLETT

A.B., Harv., 1929; M.D., *ibid.*, 1933; Res. Pathol., Willard Parker Hosp., New York, 1933; *Surg. H. O.*, *P. B. B. H.*, March 1, 1934-July 1, 1935; *Harvey Cushing Fellow*, July-December, 1935; *George Gorham Peters Traveling Fellow*, 1936; *Jr. Assoc. in Surg.*, *P. B. B. H.*, March-July, 1936; Asst. Res. *Surg.*, *ibid.*

QUINBY, WILLIAM CARTER

A.B., Harv., 1899; M.D., *ibid.*, 1902; House Pupil, M. G. H., 1902-03; Asst. G. U. Surg., Boston Disp., 1907-09; Asst. Surg., N. E. Baptist Hosp., Boston, 1908-14; in charge of Experimental Surg., Brady Clin., J. H. H., 1914-16; *Assoc. in Urol.*, *ibid.*, 1915-16; Clin. Prof. G. U. Surg., Harv.; *Urol. Surg.*, *P. B. B. H.*

RECTOR, LEWIS E.

B.S., Oregon State Coll., 1925; M.D., Washington Univ., 1936; *Pathol. H. O.*, *P. B. B. H.*

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REIFENSTEIN, GEORGE HENRY

A.B., Syracuse, 1932; M.D., *ibid.*, 1936; *Med. H. O., P. B. B. H.*

REILING, WALTER A.

B.S., Univ. of Dayton, 1930; M.D., Harv., 1933; *Surg. H. O., P. B. B. H., July 1, 1933-November 1, 1934; Asst. Res. Surg., ibid., March 1, 1935-July 1, 1936*; in practice, Dayton, Ohio.

REITER, BENJAMIN R.

B.S., Princeton, 1930; M.D., Harv., 1934; *Surg. H. O., P. B. B. H., June 15, 1934-November 1, 1935*; Res. Pathol., Philadelphia Gen. Hosp., 1935-36; *Asst. Res. Surg., P. B. B. H.*

RICHARDS, LYMAN G.

A.B., Harv., 1916; M.D., *ibid.*, 1919; in Smyrna with Near East Relief, 1919; *Surg. H. O., St. Luke's Hosp., New York, 1920-22; Mass. Eye and Ear Infir., Ear, Nose and Throat Serv., 1922-24; Chief in Otolaryngology, Children's Hosp., 1924-35; Research Assoc. Otolaryngology, *ibid.*; Assoc. in Otolaryngology, N. E. Deaconess Hosp.; Assoc. in Otolaryngology, N. E. Baptist Hosp.; Consult. in Bronchoscopy, Union Hosp., Fall River; Consult. in Otolaryngology, N. E. Hosp. for Women and Children; Assoc. in Otolaryngology, 1924-30, Consult. in Otolaryngology, 1930-32; Otolaryngologist, P. B. B. H.*

ROBERTS, CHARLES PURCELL

A.B., Emory, 1931; M.D., *ibid.*, 1935; *Med. H. O., P. B. B. H.*

ROBERTSON, JAMES EASTON

A.B., Univ. Calif., 1931; M.D., Harv., 1935; *Med. H. O., P. B. B. H.*

ROBINSON, ROGER WILLIAM

B.S., Northwestern, 1934; M.D., *ibid.*, 1935; Rotating Interne, Passavant Mem. Hosp., 1934-35; Med. Res., *ibid.*, 1935-36; *Asst. Res. Phys., P. B. B. H., August 1-November 1, 1936*; Research Asst. in Med., Harv., 1936-37.

SALTER, WILLIAM THOMAS

A.B., Harv., 1922; M.D., *ibid.*, 1925; Med. Interne, M. G. H., 1925-27; Med. Res., *ibid.*, 1927-28; Moseley Trav. Fellow, Harv., 1928-29; Research Fellow in Med., *ibid.*, 1928-29; Tutor and Instr., Bio-chemical Sciences, Harv., 1929-35; Faculty Instr. in Med., *ibid.*; Asst. Prof. of Med., *ibid.*; Research Fellow in Biochemistry to Harvard Cancer Commission; Assoc. Phys., Huntington Mem. Hosp.; Jr. Assoc. in Med., P. B. B. H., 1932-36; Assoc. in Med., *ibid.*

SCHNITKER, MAURICE A.

B.S., Univ. Toledo, 1929; M.D., Univ. Mich., 1931; *Med. H. O., P. B. B. H., March 1, 1932-July 1, 1933; Asst. Res. Phys., ibid., July 1, 1933-August 1, 1936; Res. Phys., ibid.*

SCHNITKER, MAX

M.D., Univ. of Mich., 1931; H. O., Philadelphia Gen. Hosp., 1931-33; Harvey Cushing Fellow, P. B. B. H., November 1, 1933-March 1,

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1934; *Asst. Res. Phys.*, *ibid.*, March 1, 1934-July 1, 1935; *Neurol. Fellow*, *ibid.*, July 1, 1935-July 1, 1936; *Harvey Cushing Trav. Fellow*, *ibid.*

SIAMBAUGH, PHILIP

A.B., Amherst, 1926; M.D., Harv., 1930; *Med. H. O.*, *P. B. B. H.*, November 1, 1930-March 1, 1932 *Surg. H. O.*, *P. B. B. H.*, April 1, 1932-August 1, 1933; Arthur Tracy Cabot Fellow, Harv., 1933-34; *Jr. Assoc. in Surg.*, *P. B. B. H.*, September 1, 1933-July 1, 1934; *Asst. Res. Surg.*, *ibid.*, July 1, 1934-November 1, 1935; *Harvey Cushing Fellow*, *ibid.*, November 1, 1935-July 1, 1936; Res. Surg., Presbyterian Hosp., Chicago, 1936-37; in practice, Chicago.

SHEPARD, KARL

B.S., Univ. Ga., 1930; M.D., Harv., 1935; Pathol. Interne, Worcester City Hosp., 1935; *Med. H. O.*, *P. B. B. H.*

SOSMAN, MERRILL C.

A.B., Univ. of Wis., 1913; M.D., Johns Hopkins, 1917; Res. Phys., Soldiers' Home Hosp., Washington, D. C., 1917-18; entered U. S. A., M.C.; Army Med. Sch., X-ray Dept., Walter Reed Hosp., 1919-21; X-ray Dept., M. G. H., 1921; Consult. Roent., C. P. Huntington Mem. Hosp.; Consult. Roent., Peabody Home for Crippled Children; Assoc. in Roent., Children's Hosp.; *Roentgenologist*, *P. B. B. H.*

STONE, HARRY

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STROCK, MOSES SOLOMON

D.M.D., Harv., 1923; Asst. in Extract. and Oral Surg., Harv., 1923-25; Instr. in Extract. and Oral Surg., *ibid.*, 1925-30; Anesthetist, Forsyth Dental Infirmary, 1925-30; Instr. in Oral Surg., Harv.; Dental Surg., M. G. H.; *Dental Surg.*, *P. B. B. H.*

SULLIVAN, JR., GARRETT L.

A.B., Boston Coll., 1930; M.D., Harv., 1934; *Med. H. O.*, *P. B. B. H.*, February 15, 1935-July 1, 1936.

SWANK, ROY LAVER

B.S., Univ. Wash., 1930; M.D., Northwestern, 1934; Ph.D., *ibid.*, 1935; Pathol. Interne, Cook Co. Hosp., July-November, 1934; Interne, Passavant Mem. Hosp., 1934-35; *Med. H. O.*, *P. B. B. H.*

TILLMAN, RICHARD N.

A.B., Johns Hopkins, 1932; M.D., *ibid.*, 1936; *Med. H. O.*, *P. B. B. H.*

VAN RAALTE, LESLIE H.

A.B., Harv., 1928; M.D., *ibid.*, 1932; Interne, Lawrence and Memorial Hospitals, New London, 1932-33; *Vol. Grad. Asst. in Surg.*, *P. B. B. H.*, 1933-34; Interne, Gynecology and Obstetrics, B. C. H., 1934-36; Asst. in Gyn. and Obst., *ibid.*; *Jr. Assoc. in Surg.*, *P. B. B. H.*

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VAUGHAN, WALTER W.

A.B., Univ. No. Carolina, 1929; M.D., Jefferson, 1933; Interne, Geisinger Mem. Hosp., July 1, 1933-July 1, 1934; Roent. H. O., July 1, 1934-July 1, 1935, *Asst. Res. in Roent.*, July 1, 1935-July 1, 1936, *P. B. B. H.*; Roentgenologist, Duke Univ. Hosp.

VOGEL, EDWARD C.

M.D., Univ. of Iowa, 1923; Interne, St. Vincent's Hosp., Toledo, Ohio, 1923-24; *H. O., X-ray Dept., P. B. B. H.*, September 12, 1924-March 1, 1925; *Asst. Res. in Roent.*, *ibid.*, March 1-September, 1925; Res. in Roent., New Haven Hosp., October, 1925-July, 1926; Roent., Children's Hosp., Boston; Roent., Huntington Mem. Hosp., 1928; *Assoc. in Roent.*, *P. B. B. H.*.

WAITE, J. HERBERT

M.D., Harv., 1916; Sc.D., Bucknell, 1936; Ophthalmic Chief of Staff, Mass. Eye and Ear Infirmary; Clin. Prof. Ophthalmology, Harv.; *Consult. Ophthalmologist, P. B. B. H.*

WALCOTT, CHARLES F.

A.B., Harv., 1926; M.D., *ibid.*, 1931; *Med. H. O., P. B. B. H.*, March 1, 1932-July 1, 1933; *Jr. Assoc. in Med.*, *ibid.*; in practice, Cambridge, Mass.

WALKER, ISAAC CHANDLER

A.B., Johns Hopkins, 1905; M.D., *ibid.*, 1909; Grad. Stud., Lab. of Theory and Practice of Physic, Harv., 1910-11; Med. H. O., Carney Hosp., Boston, 1910-11; Lect. on Clin. Microscopy and Phys. Diag., Univ. of Iowa, 1911-12; Stud. of Prof. Morawitz, Freiburg, Germany, 1912; Research, Rockefeller Hosp., New York, 1912; *Sr. Med. H. O., P. B. B. H.*, November 1, 1912-March 1, 1913; *Asst. Res. Phys.*, *ibid.*, March 1, 1913-March 1, 1914; *Act. Res. Phys.*, *ibid.*, March 1, 1914-January 1, 1915; *Asst. Res. Phys.*, *ibid.*, January 1, 1915-March 1, 1915 (*granted leave of absence from March 1, 1915-September 1, 1915*); Med. Chief. Hosp. A^b. 32^{b1s} Passy Yonne, France, 1915; Asst. in Pharmacol., Harv., 1916; Alumni Asst. in Med., *ibid.*, 1916-17; *Act. Phys., P. B. B. H.*, August 1, 1917-February 1, 1918, and April 1, 1918-December 16, 1918; Asst. Prof. of Med., Harv., 1918-19; *Assoc. in Med., P. B. B. H.*; in practice, Boston.

WALTER, CARL W.

A.B., Harv., 1928; M.D., *ibid.*, 1932; *Surg. H. O., P. B. B. H.*, January 1, 1933-March 1, 1934; *Harvey Cushing Fellow*, *ibid.*, 1934-35; Arthur Tracy Cabot Fellow, Harv., 1935-36; *Jr. Assoc. in Surg., P. B. B. H.*, July 1, 1935-March 1, 1936; *Asst. Res. Surg.*, *ibid.*

WARREN, HARRY A.

A.B., Univ., Ill., 1930; M.D., Northwestern, 1933; Rotating Interne, Passavant Mem. Hosp., 1933-34; *Med. H. O., P. B. B. H.*, June 15, 1934-November 1, 1935; *Jr. Assoc. in Med.*, *ibid.*; in practice, Boston.

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WARREN, RICHARD

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WATKINS, ARTHUR LANCASTER

A.B., Harv., 1931; M.D., *ibid.*, 1935; *Med. H. O.*, *P. B. B. H.*, June 15, 1935-March 1, 1937.

WEED, MILTON R.

A.B., Wesleyan, 1931; M.D., Harv., 1936; *Med. H. O.*, *P. B. B. H.*

WELCH, EDWARD JAMES

A.B., Princeton, 1932; M.D., Harv., 1936; *Med. H. O.*, *P. B. B. H.*

WHITFIELD, ROBERT DAY

B.A., Holy Cross, 1931; M.D., Harv., 1935; *Surg. H. O.*, *P. B. B. H.*, October 15, 1935-April 23, 1937.

WILHELM, NORBERT A.

B.S., St. Louis Univ., 1922; M.D., *ibid.*, 1925; Interne, Mercy Hosp., Toledo, Ohio, 1925-26; Chief Res. Phys., Lucas Co. Hosp., Toledo, Ohio, 1926-27; Asst. Plantation Surg., Estates of Central Aguirre, Porto Rico, 1927-29; Asst., Div. of Neuropsychiatry, Henry Ford Hosp., 1929-30; Second Asst. Supt., *P. B. B. H.*, July 20, 1930-March 5, 1934; First Asst. Supt., *ibid.*, March 5, 1934-April 1, 1937; Supt., Butterworth Hosp., Grand Rapids, Mich.

WILKINS, GEORGE FRANKLIN

A.B., Holy Cross, 1928; M.D., Harv., 1932; *Surg. H. O.*, *P. B. B. H.*, October 1, 1932-February 1, 1934; Jr. Assoc. in *Surg.*, *P. B. B. H.*; in practice, Boston.

WOLBACH, SIMEON BURT

Stud., Harv., 2 yrs.; M.D., *ibid.*, 1903; Second Asst. in Pathol., B. C. H., 1903-04; First Asst. in Pathol., *ibid.*, 1904-05; Second Asst. Visit. Pathol., *ibid.*, 1905-08; Pathol., Long Island Hosp., Boston, 1905-08; Pathol., Boston Floating Hosp., 1905-08; Pathol., Mass. Infants' Asylum, 1905-08; Asst. in Pathol., Harv., 1905-06; Instr. in Pathol., *ibid.*, 1906-08; Adjunct Prof. of Pathol. and Bacteriol., Albany Med. Coll., 1908-09; Director, Bender Hygienic Lab., Albany, N. Y., 1908-09; Pathol., Albany City Hosp., 1908-09; Pathol., St. Peter's Hosp., Albany, 1908-09; Pathol., St. Margaret's House, Albany, 1908-09; Lecturer in Pathol., McGill Univ., 1909-11; Director, Histol. Lab., *ibid.*, 1909-11; Director, Montreal Gen. Hosp. Lab., 1909-11; Asst. Prof. of Bacteriol., Harv., 1910-14; Assoc. Prof. of Bacteriol., *ibid.*, 1914-16; Pathol., Children's Hosp., Boston; in charge of Typhus Research Hosp., Poland, January-August, 1920; Fellow, Am. Acad. of Arts and Sciences, 1914; Visit. Pathol., Children's Hosp., Boston, 1915; Corr. Mem. Société de Pathologie Exotique, Paris; Commander, Order of Polonia Restituta; Shattuck Prof. Pathol. Anat., Harv.; *Pathologist*, *P. B. B. H.*

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Wood, NATHANIEL KNIGHT

A.B., Harv., 1897; M.D., *ibid.*, 1901; H. O., B. C. H., 1902-04; H. O., Boston Lying-In Hosp., 1904; Visit. Phys., Carney Hosp., O. P. D., 1907-12; Visit. Phys., Boston Consumptives' Hosp., O. P. D., 1909-17; Phys., Boston Disp., 1912-18; *Assoc. in Med.*, *P. B. B. H.*

ZINSSER, HANS

A.B., Columbia, 1899; A.M., M.D., *ibid.*, 1903; Sc.D., Hon. Caus., *ibid.*, 1929; Sc.D., Hon. Caus., Western Reserve Univ., 1931; Hon. Sc.D., Lehigh Univ., 1933; House Staff, Roosevelt Hosp., 1903-05; Bacteriologist, *ibid.*, 1905-06; Asst. Bacteriologist, Columbia Univ., 1905-06; Asst. Pathol., St. Luke's Hosp., 1907-10; Instr. in Bacteriology, Columbia, 1908-10; Assoc. Prof. Bact., Leland Stanford Univ., 1910-11; Prof. of Bact., *ibid.*, 1911-13; Red Cross Exp. to Serbia, 1915; Medical Corps., A. E. F., 1917-19; Prof. Bact., Columbia, 1913-23; Bacteriologist, Presbyterian Hosp., 1913-23; San. Comm. to Russia (League of Nations) 1923; Exchange Prof., Univ. of Paris, 1935; Chief of Bact. Serv., Children's Hosp.; Chief of Bact. Serv., Infants' Hosp.; Prof. of Bact., Harv.; *Consult. Bact.*, *P. B. B. H.*

ZOLLINGER, ROBERT

B.S., Ohio State Univ., 1925; M.D., *ibid.*, 1927; H. O., Inst. for Feeble-Minded, Columbus, Ohio, 1925-27; Vol. Asst., Lab. of Surg. Research, Lakeside Hosp., July, 1927-January, 1928; *Surg. H. O.*, *P. B. B. H.*, January 1, 1928-May 1, 1929; Asst. Phys., Inst. for Feeble-Minded, Columbus, Ohio, May, 1929-July, 1929; Asst. Res. Surg., Lakeside Hosp., July 1, 1929-July 1, 1930; Crile Research Fellow in Surg., and Director of Lab. of Surg. Res., Western Reserve Univ., 1930-31; Demonstr. in Surg., *ibid.*, 1930-32; Asst. Res. in Surg., Lakeside Hosp., 1931-32; Res. Surg., *ibid.*, July-September, 1932; *Res. Surg.*, *P. B. B. H.*, September, 1932-July, 1934; Instr. in Surg., 1932-36, Austin Teach. Fellow in Surg., Assoc. in Surg., Harv.; *Jr. Assoc. in Surg.*, *P. B. B. H.*

Register of Former Members of the Staff

ADAMS, FRANK DENNETTE

Litt.B., Princeton, 1913; M.D., Harv., 1917; Med. H. O., M. G. H., 1917-18; First Lieut., M. C., U. S. Army, 1918-19; *Pathol. H. O., P. B. B. H.*, October 1, 1919-March 15, 1920; *Act. Res. Pathol., ibid.*, March 15-July 1, 1920; Res. Phys., B. C. H., 1920-22; Lect. in Med., Univ. of N. C., Extension Div., 1922 and 1923; H. O., So. Dept., B. C. H., 1922; Assoc. in Therapeutics, George Washington Univ.; Instr. in Med., Georgetown Univ., 1923; Assoc. Phys., M. G. H.; Asst. in Med., Harv., 1923-29; Instr. in Med., Harv.; in practice, Boston.

ADAMS, LEYLAND J.

M.D., C.M., McGill, 1927; Interne in Pathol., Montreal Gen. Hosp., 1927-28; Interne in Med., *ibid.*, 1928-29; Interne in Surg., *ibid.*, 1929-30; Asst. Res. Phys., *P. B. B. H.*, September 1, 1930-July 1, 1932; Demonstr. in Med., McGill; Assoc. in Med., Montreal Gen. Hosp.; in practice, Montreal.

ALEXANDER, HARRY LOUIS

A.B., Williams, 1910; M.D., Columbia, 1914; H. O., Presbyterian Hosp., New York, 1914-16; Asst. Res. Phys., *P. B. B. H.*, September 15, 1916-July 6, 1917; Major, M. C., U. S. Army; Instr. in Med., Cornell, 1919-24; Asst. Adjunct Attend. Phys., 2nd Med. Div., Bellevue Hosp., New York, 1919-24; Attend. Phys. and Visit. Pathol., Overlook Hosp., Summit, N. J., 1920-24; Chief of Asthma Dept., Cornell Clin., New York, 1921-24; Editor, *Journal of Allergy*; Assoc. Prof. Med., Washington Univ., and Assoc. Phys., Barnes Hosp., and St. Louis Maternity Hosp., St. Louis.

ALT, HOWARD L.

B.S., Northwestern, 1923; M.D., 1924, M.S., 1933, Ph.D., 1934, *ibid.*; H. O. in Med. and Surg., Wesley Mem. Hosp., Chicago, 1923-25; Asst. Res. Phys., *P. B. B. H.*, July 1, 1925-September 1, 1927; Teaching Fellow in Med., Harv.; Res. Phys., *P. B. B. H.*, September 1, 1927-September 1, 1929; Asst. in Kaiser Wilhelm Inst. für Biologie, Berlin, Prof. Warburg, October, 1929-April, 1930; Asst. in Med. Clin., Univ. of Würburz, Prof. Grafe, May-August, 1930; Assoc. in Med. and Instr. in Chemistry, Northwestern Univ. Med. Sch., and Passavant Mem. Hosp., Chicago, 1930-36; Asst. Prof. of Med. and Instr. in Chem., Director of Laboratories, Director of Student Health, *ibid.*

ALT, RICHARD E.

A.B., Harv., 1927; M.D., *ibid.*, 1931; H. O., M. G. H., 1931-33; Fellow in Urol., *P. B. B. H.*, 1933-35; in practice, Beverly, Mass.

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ALTNOW, HUGO OSKAR

M.D., Univ. of Mich., 1907; Interne and Asst. Surg., Northern Pac. Ry. Hosp., Brainerd, Minnesota, 1907-09; Surg., Northern Pac. Ry., and Private Practice, Mandan, N. D., 1909-24; Visit. Phys., Mandan Deaconess Hosp., 1919-24; Grad. Asst. in Neurol., O. P. D., M. G. H., May 1-July 1, 1924; *Jr. Assoc. in Med.*, P. B. B. H., July 11, 1924-July 1, 1925; Visit. Phys., Glen Lake San.; in practice, Minneapolis, Minn.

ALTSCHULE, MARK D.

B.S., College of City of N. Y., 1927; M.D., Harv., 1932; *Pathol. H. O.*, P. B. B. H., January-July, 1932; Med. H. O., Beth Israel Hosp., November, 1932-April, 1934; Res. in Med. Research, *ibid.*, 1934-35; Research Fellow in Med., Harv., 1934-35; Asst. in Med., *ibid.*; Research Assoc., Beth Israel Hosp.

ARMSTRONG, WILBER P.

A.B., Univ. of Ill., 1920; M.D., Harv., 1923; Interne, Fifth Ave. Hosp., New York City; *Surg. H. O.*, P. B. B. H., January 6-July 1, 1925; in practice, Springfield, Ill.

ATWATER, REGINALD MYERS

A.B., Colorado Coll., 1914; M.D., Harv., 1918; C.P.H., Johns Hopkins, 1920; Dr. P.H., *ibid.*, 1921; *Med. H. O.*, P. B. B. H., March 1, 1918-April 15, 1919; Dept. of Hygiene, Hunan-Yale College of Med., Changsha, Human, China, 1921-25; Inst. Epidemiology, Harv. Sch. Public Health, 1925-27; Comm. of Health, Cattaraugus Co. Dept. of Health, Olean, N. Y., 1927-35; Exec. Sec., American Public Health Assoc., New York.

BAGLEY, JR., CHARLES

M.D., Univ. of Md., 1904; A.B., Loyola, 1911; Asst. Res. Phys., Univ. Hosp., Baltimore, 1904-05; Asst. Res. Surg., *ibid.*, 1905-06; Med. Supt., Hebrew Hosp., Baltimore, 1906-10; *Asst. Res. Surg.*, P. B. B. H., January 1, 1913-January 1, 1914; Major, M. C., U. S. Army, 1917-19; Visit. Surg., Sinai Hosp., Church Home and Infirm., St. Agnes' Hosp., Bon Secours Hosp., W. Baltimore Gen. Hosp., Maryland Gen. Hosp., and Union Mem. Hosp., Baltimore; Consult. Surg., Baltimore Eye, Ear and Throat Charity Hosp., etc.; Assoc. in Exper. Neurol., Johns Hopkins; Asst. Psychiatrist, J. H. H., Baltimore; Consult. Neuro-Surgeon, U. S. P. H. S.; in practice, Baltimore.

BAILEY, PERCIVAL

B.S., Univ. of Chicago, 1914; Ph.D., *ibid.*, 1918; M.D., Northwestern Univ., 1918; Asst. in Embryology, Univ. of Chicago, 1914; Asst. in Anatomy, *ibid.*, 1914-15; Asst. in Anatomy, Northwestern Univ., 1915-17; Assoc. in Anat., Univ. of Chicago, 1917-18; Surg. H. O., Mercy Hosp., Chicago, 1918-19; *Asst. Res. Surg.*, P. B. B. H., April 1-December 19, 1919; Res. Phys., Neurol. Service, Cook County Hosp., Chicago, 1920; Res. Phys., Psychopathic Hosp., Chicago, 1920; Arthur Tracy Cabot Fellow, Harv., 1920-21; *Assoc. in Surg.*,

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P. B. B. H., September 1, 1920-July 1, 1921; Asst. Etranger à la Salpêtrière, Paris, 1921-22; *Jr. Assoc. in Surg.*, *P. B. B. H.*, July, 1922-September, 1923; Asst. Etranger à l'Hospice Sainte Anne, Paris, 1925-26; Instr. in Surg., Harv.; *Assoc. in Surg.*, *P. B. B. H.*, 1926-28; Prof. Surg., Univ. of Chicago.

BALDWIN, LOUIS B.

Litt.B., Princeton, 1915; M.D., Columbia, 1919; Interne, Presbyterian Hosp., New York, April, 1919-July, 1920; Interne, Sloane Hosp., New York, September, 1920-December, 1920; Assoc. in Med., Presbyterian Hosp., New York, January, 1921-July, 1921; *Asst. Res. Phys. (acting)* *P. B. B. H.*, December 20, 1921-February 1, 1922; Asst. Prof. and Instr. in Med., Strong Mem. Hosp., Rochester, N. Y.; Phys., Rochester Gen. Hosp., Rochester, N. Y.; Grunow Clin., Phoenix, Ariz.; Med. Director, Desert Sanatorium, and Inst. of Research, Tuscon, Ariz.

BALYEAT, RAY MORTON

A.B., Oklahoma, 1912; M.S., 1915, M.A., 1916, M.D., 1918, *ibid.*; *Med. H. O.*, *P. B. B. H.*, 1916-19; Assoc. Prof. of Med., and Lect. on Allergic Diseases, Univ. of Oklahoma; Consult. Phys., St. Anthony's Hosp. and State Univ. Hosp., Oklahoma City; in practice, Oklahoma City.

BARKER, M. HERBERT

B.S., Univ. of Chicago, 1923; M.S., Northwestern Univ., 1930; M.D., Rush Med. College, 1925; H. O., Wesley Memorial Hosp., 1925-27; *Med. H. O.*, *P. B. B. H.*, January 1-March 1, 1927; *Asst. Res. Phys.*, *ibid.*, July 1, 1927-July 1, 1929; Res. Phys., Passavant Mem. Hosp., Chicago, 1929-31; Consult. in Cardio-Renal Dis., Hines Mem. Hosp., 1931-36; Director, Renal Clin., Northwestern Univ. Med. Clin.; Asst. Prof. in Med., Northwestern Univ.; Attend. Phys., Passavant Mem. Hosp.; in practice, Chicago, Ill.

BARR, JOSEPH SEATON

B.S., College of Wooster, Wooster, Ohio, 1922; M.D., Harv., 1926; Stud. H. O., Huntington Mem. Hosp., 1924-25; *Surg. H. O.*, *P. B. B. H.*, July 1, 1926-November 1, 1927; P. G. course, Orth. Surg., Children's Hosp. and M. G. H., January, 1928-September, 1929; Asst. Orthopedic Surg., M. G. H.; Asst. Surg., N. E. Peabody Home for Crippled Children; Asst. in Orthopedic Surg., Harv.

BARROW, WILLIAM HULBERT

A.B., Harv., 1908; M.D., *ibid.*, 1916; *Med. H. O.*, *P. B. B. H.*, November 1, 1916-June 17, 1917; Lieut. and Capt., M. C., U. S. Army, 1917-21; Med. Advisor, Middlesex School, Concord, Mass., 1921-22; Med. Advisor and Prof. of Phys. Education, Stanford Univ., 1922-27; Asst. Clin. Prof. Med., *ibid.*, 1926-27; Assoc. Clin. Prof. Med., *ibid.*, 1927-28; Staff member, Mercy and Scripps Memorial Hospitals; Member, Visiting and Consult. Staff, San Diego Co. Hosp.; in practice, San Diego, Calif.

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BARTRAM, EDWARD A.

M.D., Univ. of Western Ontario, 1928; Rotating Interne, Montreal Gen. Hosp., 1928-29; Sr. in Pathol., *ibid.*, 1929-30; Demonstrator in Pathol., McGill Univ., 1929-30; Sr., Med. Serv., Montreal Gen. Hosp., 1930-31; Asst. in Med., Harv., 1931-32; *Asst. Res. Phys., P. B. B. H., July 1, 1932-August 15, 1933*; Instr. in Med., and in Electrocardiography, Univ. Western Ontario; Asst. Phys., Victoria Hosp. and St. Joseph's Hosp., London, Ont.; in practice, London, Ont., Can.

BECK, CLAUDE S.

A.B., Franklin and Marshall College, 1916; Grad. Sch., Univ. of Pittsburgh, 1916-17; M.D., Johns Hopkins, 1921; Res. H. O., J. H. H., 1921-22; Asst. Res. Surg., New Haven Hosp., 1922-23; Arthur Tracy Cabot Fellow, Harv., and *Assoc. in Surg., P. B. B. H., 1923-24*; Crile Fellow in Surg.; in charge Surg. Lab., Western Reserve Univ., Cleveland, Ohio, 1924-25; Instr. in Surg., Western Reserve Med. School; Res. Surg., Lakeside Hosp., Cleveland, 1926-27; *Asst. Res. Surg., P. B. B. H., April 9-June, 1927*; Instr. in Surg., Western Res. Univ. School of Med.; Asst. Surg., Lakeside Hosp., 1927-28; Assoc. Surg., *ibid.*; Asst. Prof. Surg., Western Reserve Univ. Sch. of Med., 1928-33; Assoc. Prof. Surg., *ibid.*

BELT, A. ELMER

M.D., Univ. of Cal., 1920; Fellow, Hooper Research Laboratories, *ibid.*; Asst. in Urol. Surg., Univ. Hosp., for a year; *Asst. Res. Surg., P. B. B. H., July 1, 1922-July 1, 1923*; in practice, Los Angeles.

BENET, GEORGE

Student for three years, Univ. of S. C., and Univ. of Va.; M.D., Harv., 1913; *Med. H. O., P. B. B. H., June 1, 1913-July 1, 1914*; Sr. Surg. H. O., St. Luke's Hosp., Chicago, July 1, 1914-January 1, 1915; Lab. Asst. Harv. Unit, Am. Ambulance Hosp., Paris, France, 1915; Surg. at French Hosp. near Annel, 1915-16; Capt. and Asst. Surg., 2nd Harv. Unit, B. E. F., France, 1916; Res. Phys., Collis P. Huntington Mem. Hosp., 1916-17; Surg., Fulham Military Hosp., London, England, 1917; M. R. C., U. S. Army, 1917-18; Capt., M. C., U. S. Army; Battalion Med. Officer to 16th Devons Infantry Reg., (British) 1918; Awarded British Military Cross, 1918; Asst. Visit. Surg., Richland Co. Hosp.; Chief Surg., South Carolina State Hosp.; Attend. Surg., Newberry Co. Hosp.; Assoc. Staff, Marlboro Co. Hosp.; Consult., Gen. Surg., U. S. Veterans' Hosp.; in practice, Columbia, S. C.

BENNETT, DARWIN E.

B.S., Whitman, 1924; M.D., Harv., 1931; *Pathol. H. O., P. B. B. H., July 1, 1931-January 1, 1932*; *Surg. H. O., ibid., January 1, 1932-May 1, 1933*; in practice, Fitchburg, Mass.

BENNETT, GRANVILLE A.

B.S., Univ. of Iowa, 1923; M.D., *ibid.*, 1925; Surg. Interne, Iowa State Univ. Hosp., 1925-26; Clin. Asst. Pathol., Bacteriol. and Sur-

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gery, 1926-27; *Res. Pathol., P. B. B. H.*, September 1, 1927-September 1, 1929; Instr. of Pathol., 1934-35, Assoc. in Pathol., Harv.

BENTON, ROY WILMOT

Ph.B., Brown Univ., 1918; M.D., Harv., 1922; *Med. H. O., P. B. B. H.*, November 1, 1922-March 1, 1924; H. O., New York Nursery and Child's Hosp., 1924-25; H. O., Providence City Hosp., 1925; Resident Phys., *ibid.*, 1925-26; Asst. Supt., *ibid.*, 1926-28; Asst. Director, A. O. Smith Diag. Clin., Milwaukee, Wis., 1928-32; Health Commissioner, Village of Shorewood, Wis., 1932-34; Asst. Med. Director, Northwestern Mutual Life Ins. Co., Milwaukee.

BERGLUND, HILDING

M.D., Univ. of Stockholm, 1916; S.D., *ibid.*, 1920; Asst. Phys., Stockholm Hosp., 1915-19; Asst. Prof. Int. Med., Univ. of Stockholm, 1920; *Asst. Res. Phys., P. B. B. H.*, July 5, 1921-September 1, 1923; Asst. Prof. Medicine, Harv.; *Assoc. in Med., P. B. B. H.*, September 1, 1923-November 1, 1925; Prof. of Med., Univ. of Minn., and Chief, Dept. of Med., Univ. Hosp., 1925-32; Physician, S:T Erik's Hosp., Stockholm; in practice, Stockholm, Sweden.

BERRY, ARTHUR N.

B.A., Univ. of the South, 1926; M.D., Harv., 1930; House Surg., Free Hosp. for Women, August 1, 1930-March 31, 1931; *Surg. H. O., P. B. B. H.*, April 1, 1931-May 1, 1932; H. O., B. L. I., May 1, 1932-November 15, 1932; in practice, Columbus, Ga.

BERRY, FRANK BROWN

A.B., Harv., 1914; M.D., *ibid.*, 1917; Pathol. H. O., B. C. H., July-December, 1917; *Med. H. O., P. B. B. H.*, January 9-March 1, 1918; First Lieut. and Capt., M. C., U. S. Army, 1918-19; First Asst. Pathol., B. C. H., 1919-20; Surg. H. O., Presbyterian Hosp., New York, 1920-21; in practice, Providence, R. I., 1921-23; Res. Surg., Bellevue Hosp., New York, 1923-24; Asst. Prof. Surg., Columbia; Assoc. Surg., Bellevue and Roosevelt Hospitals; in practice, New York City.

BIRD, CLARENCE EDWARD

A.B., Univ. of Cal., 1920; M.D., Harv., 1923; Interne, Indian Harbor Hosp., Labrador, with Grenfell Mission, 1922; *Surg. H. O., P. B. B. H.*, July 1, 1923-November 1, 1924; Asst. in Surg. and Pathol., Yale, 1924-25; *Asst. Res. Surg.; P. B. B. H.*, July 1, 1925-October 1, 1926; *Res. Surg., ibid.*, October 1, 1926-September 12, 1928; Prof. of Surg., Univ. of Louisville; Surgeon-in-Chief, Louisville City Hosp.

BISHOP, COURTNEY CRAIG

A.B., Yale, 1926; M.D., *ibid.*, 1930; *Surg. H. O., P. B. B. H.*, October 1, 1930-May 1, 1932; *Asst. Res. Surg., ibid.*, May-September, 1932; Asst. Res. Surg., N. Y. Hosp.; Asst. in Surg., Cornell Med. Sch., 1932-36; Res. Surg., N. Y. Hosp.; Instr. in Surg., Cornell.

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BLAIN, DANIEL

B.A., Wash. and Lee Univ., 1921; M.D., Vanderbilt, 1929; *Med. H. O., P. B. B. H.*, November 1, 1929-March 1, 1931; Fellow in Psychiatry, Austen Riggs Foundation, Stockbridge, Mass., 1931-32; in practice, New York City.

BLAKE, FRANCIS GILMAN

A.B., Dart., 1908; M.D., Harv., 1913; *Med. H. O., P. B. B. H.*, July 1, 1913-November 1, 1914; *Asst. Res. Phys.*, *ibid.*, November 1, 1914-September 1, 1915; *Res. Phys.*, *ibid.*, September 1, 1915-October 1, 1916; Moseley Traveling Fellow (Harv.), 1916-17; Asst., Rockefeller Inst. Hosp., 1916-17; Asst. Prof. of Med., Univ. of Minn., 1917-19; Visit. Phys., Elliott Mem. Hosp., Univ. of Minn., 1917-19, (leave of absence February 11, 1918-July 1, 1919); Assoc. in Med., Rockefeller Inst. Hosp., 1919-20; Assoc. Mem. in Med., Rockefeller Inst. Hosp., 1920-21; Mem., Board Scientific Directors, Rockefeller Inst. for Med. Research; Chairman, Div. Med. Sci., Nat. Research Council, 1933-36; Sterling Prof. of Med., Yale Univ., School of Med.; Phys.-in-Chief, New Haven Hosp., New Haven, Conn.

BLOSSER, HAROLD L.

A.B., Grinnell Coll., Grinnell, Iowa; M.D., Harv., 1925; *Pathol. H. O., P. B. B. H.*, January 1, 1925-January 1, 1926; Grad. Asst. Roent., M. G. H., 1926; Surg. H. O., Lakeside Hosp., 1926-27; Asst. Res. Surg., *ibid.*, 1927-29; in practice, Portland, Ore.

BLUMGART, HERMAN L.

B.S., Harv., 1917; M.D., *ibid.*, 1921; *Med. H. O., P. B. B. H.*, July 1, 1921-November 1, 1922; Moseley Traveling Fellow, Harv., 1923; Asst., Thorndike Mem. Lab., B. C. H., 1924-28; Asst. in Med., Harv., 1924-27; Faculty Instr., *ibid.*, 1927-28; Asst. Prof. of Med., *ibid.*, 1928-29; Assoc. Prof. of Med., *ibid.*; Visit. Phys., Beth Israel Hosp.; Director, Med. Research, *ibid.*

BOEHM, JULIUS BENJAMIN

B.S., St. Louis Univ., 1910; M.D., Johns Hopkins, 1914; *Surg. H. O., P. B. B. H.*, November 1, 1914-November 1, 1915; Res. Surg., Greenpoint Hosp., Brooklyn, N. Y., 1915-18; Surg. Serv., Walter Reed Hosp.; Chief Surg., Trinity Hosp., Brooklyn, N. Y.

BOOGS, ARTHUR GORDON

A.B., Dart., 1915; M.D., Harv., 1919; *Surg. H. O., P. B. B. H.*, March 15, 1919-July 1, 1920; New Haven Hosp., New Haven, Conn.; Med. Missionary, Clough Mem. Hosp., Ongole, South India.

BOOTH, GEORGE

B.S., Allegheny Coll., 1922; M.D., Harv., 1926; *Med. H. O., P. B. B. H.*, March 1, 1927-July 1, 1928; in practice, Pittsburgh, Pa.

BOOTHBY, WALTER MEREDITH

A.B., Harv., 1902; M.D., *ibid.*, 1906; A.M., *ibid.*, 1907; European clinics for eight months, 1907-08; Surg. H. O., B. C. H., 1908-09;

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Asst. in Anat., Harv., 1910-14; Asst. in Anesthesia, Harv. Grad. School of Med., 1912-13; Sheldon Traveling Fellow, Harv. (Oxford Univ., largely); Anesthetist, B. C. H., 1912; *Supervisor of Anesthesia, P. B. B. H., December 11, 1913-November 14, 1916*; Lect. on Anesthesia and Instr. in Anat., Harv., 1914-16; Capt. and Major., M. C., U. S. Army, 1917-19; Prof. of Exp. Metabolism, Grad. Sch. of Med., Univ. of Minn., Head of Section on Metabolic Invest. and Assoc. in Div. of Bio-Chemistry, Mayo Clin., Rochester, Minn.

BOWEN, JOSEPH ANDREW

M.D., Univ. of Cincinnati, 1925; Interne, Cinn. Gen. Hosp., 1925-26; Fellow in Surg., Cleveland Clin., 1926-28; *Asst. Res. Surg., P. B. B. H., July 15, 1928-July 15, 1929*; in practice, Louisville, Ky.

BOWIE, MORRIS A.

A.B., Univ. of Col., 1925; M.D., Harv., 1929; *Med. H. O., P. B. B. H., July 1, 1929-November 1, 1930*; Instr. in Med., Univ. of Pa.; in practice, Rosemont, Pa.

BOYD, DOUGLAS

Univ. of Ga.; M.D., Harv., 1922; H. O., Robert Brigham Hosp., Boston, 1921-22; Asst. Res. Phys., Boston Sanatorium, 1922-23; *Surg. H. O., P. B. B. H., March 1, 1923-July 1, 1924*; *Act. Asst. Res. Surg., ibid., July 1-August 1, 1924*; Asst. in Med., Rockefeller Inst., 1924-25; Asst. Res. Phys., Hosp. of Rockefeller Inst.; Asst. Res. Surg., Lakeside Hosp., 1925-26; Res. Orthopedic Surg., Rainbow Hosp., Cleveland, Ohio, 1926; Instr. in Med., Northwestern Univ. Med. Sch.; in practice, Highland Park and Chicago, Ill.

BOYD, WALTER WILLARD

E.E., Univ. of Va., 1920; M.S., M. I. T., 1922; M.D., Harv., 1928; *Surg. H. O., P. B. B. H., October 1, 1928-February 1, 1930*; House Phys., B. L. I., 1930-31; *Asst. Res. Surg., P. B. B. H., April 1, 1931-January 15, 1932*; Asst. Res., Boston Lying-In Hosp., July 1, 1932-December 1, 1933; Res., *ibid.*, December 1, 1933-July 1, 1934; in practice, Boston, 1933-35; Asst. Obstetrician, M. G. H., 1933-35; Clin. Instr. Obstet. and Gyn., George Washington Hosp., Washington, D. C.; in practice, Washington, D. C.

BOYDEN, HORACE MAYO

A.B., Univ. of Oregon, 1927; M.D., Univ. of Mich., 1930; *Med. H. O., P. B. B. H., November 1, 1930-February 3, 1931*. Died February 3, 1931.

BOYES, JOSEPH H.

A.B., Stanford, 1926; M.D., *ibid.*, 1930; H. O., Pathol., M. G. H., July, 1929-June, 1930; *Surg. H. O., P. B. B. H., July 1, 1930-November 1, 1931*; Res. Surg., Stanford Univ. Med. Sch. Hosps., San Francisco, 1931-32; Asst. in Surg., Stanford Univ. Sch. of Med. & Clin. Instr. in Surg.; in practice, San Francisco.

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BRADLEY, JOHN I.

A.B., Georgetown Univ., 1920; M.D., Harv., 1925; Pathol. Interne, B. C. H., 1925; *Surg. H. O., P. B. B. H.*, November 1, 1925-March 1, 1927; Asst. Pathol., M. G. H., 1927-35.

BRIGHAM, FERDINAND

A.B., Tufts Coll., 1912; D.M.D., H.D.S., 1915; *Dental Surg., P. B. B. H.*, March 13, 1919-January 20, 1920; Capt., R. A. M. C., 1915-19; Degree, Dental Surg., Fac. of Med., Paris; in practice, Paris, France.

BRIGHAM, ROBERT B.

A.B., Williams, 1924; M.D., Harv., 1928; *Surg. H. O., P. B. B. H.*, October 1, 1928-June 1, 1929 (*resigned*); H. O., Good Samaritan Hosp., Portland, Ore., July, 1929-July, 1930; in practice, Northampton, Mass.

BRIGHT, ERNEST F.

A.B., Hiram Coll., Ohio, 1925; M.D., Harv., 1929; H. O., Broadway Maternity Hosp., Cambridge, Mass., 1926-27; Pathol. H. O., Palmer Mem. Hosp., 1929-30; Interne in Surg., Lakeside Hosp., 1930-31; Crile Teach. Fellow in Surg., Western Reserve Univ., 1931-32; Asst. Res. Surg., Lakeside Hosp., July-August, 1932; *Asst. Res. Surg., P. B. B. H.*, September 1, 1932-November 1, 1933; Chief Surg. Res., Lakeside Hosp., 1934-35; Instr. in Surg., Western Reserve Univ.; Exec. Asst. to Director of Surg., Lakeside Hosp.; in practice, Cleveland, Ohio.

BRILL, SELLING

A.B., Stanford, 1920; M.A., *ibid.*, 1922; M.D., Harv., 1924; *Surg. H. O., P. B. B. H.*, November 1, 1924-March 1, 1926; Hunter Fellow in Surg., Univ. Hosp., Philadelphia, Pa.; Asst. in Surg., Univ. of Calif.; *Died January 23, 1932*.

BRITTINGHAM, HAROLD HIXON

A.B., Yale, 1916; M.D., Harv., 1920; *Med. H. O., P. B. B. H.*, July 1, 1920-November 1, 1921; *Asst. Res. Phys., ibid.*, November 15-December 6, 1921; Demonstr. Physiol., Western Reserve Univ., 1922-23; Demonstr. in Med., *ibid.*; Asst. Visit. Phys., Cleveland City Hosp., 1923-30; Visit. Phys., *ibid.* *Died January 6, 1937*.

BROWN, CHARLES LEONARD

B.S., Univ. of Oklahoma, 1919; M.D., *ibid.*, 1921; *Med. H. O., P. B. B. H.*, March 1, 1922-July 1, 1923; Res. Pathol., Children's Hosp., 1923-24; Instr. in Pathol., Harv.; *Res. Pathol., P. B. B. H.*, July 1, 1924-September 1, 1925; Teach. Fellow in Med., Harv., 1925-27; *Res. Phys., P. B. B. H.*, 1925-27; Instr. in Med., Harv., 1927-28; *Jr. Assoc. in Med., P. B. B. H.*, 1927-28; Asst. Prof. Int. Med., Univ. of Mich., 1928-29; Assoc. Prof. Int. Med., *ibid.*, 1929-35; Prof. of Med. and Head of Dept. of Med., Temple Univ. Sch. of Med.; in practice, Philadelphia, Pa.

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BROWN, WILLIAM EUSTIS

Ph.B., Lafayette Coll., 1909; C.P.H., Harv.-M. I. T., Sch. of Public Health, 1915; M.D., Harv., 1920; *Surg. H. O., P. B. B. H.*, October 15, 1920-February 20, 1922; Surg.-in-Chief, N. J. Zinc Co. Hosp., Franklin, N. J., 1922-24; Asst. Prof. Preventive Med., Univ. of Cinn., 1924-26; Assoc. Prof. Preventive Med., *ibid.*; Med. Director, Comm. on Maternal Health, Acad. of Med., Cincinnati.

BRYAN, JR., WILLIAM W.

B.S., Emory, 1930; M.D., *ibid.*, 1932; Rotating Interne, Jackson Mem. Hosp., Miami, Fla., 1932-33; *Roent. H. O., P. B. B. H.*, 1933-34; Asst. Res. in *Roent.*, *ibid.*, 1934-35; Roentgenologist, Grady Hosp., Atlanta, Ga., 1935-37; Instr. in *Roent.*, Emory Univ., 1935-37; Asst. Radiologist, Royal Victoria Hosp., Montreal.

BRYANT, JOHN

A.B., Harv., 1903; Asst. Res. Surg., Free Hosp. for Women, Brookline, 1905-06; M.D., Harv., 1907; Instr. in Pathol. and Neuropathol., *ibid.*, 1907-08; Surg. House Pupil, M. G. H., 1908-10; Private Asst. to Dr. S. J. Mixter, 1910-12; Research in Europe, 1912, 1913, and 1914; Asst. in Anat., Harv., 1913-18; Grad. Asst., M. G. H., O. P. D., 1915-16; Asst. to Phys.-in-Chief, Robert B. Brigham Hosp., 1915-16; *Vol. Asst., P. B. B. H.*, July, 1916-January, 1917; Assoc. in Med., *ibid.*, January 1, 1917-January 1, 1918; Major, M. C., U. S. Army, 1917-19; Secretary, American Gastro-Enterological Assn., 1923-27; Medical Asst. in Problems of Convalescence, M. G. H.; Consultant to Burke Foundation for Convalescents, New York. Died September 19, 1935.

BUCK, ROBERT WILLIAM

A.B., Butler Coll., 1914; A.M., Columbia, 1915; M.D., Harv., 1921; Asst. Res., Boston Hosp. for Consumptives, 1921; *Med. H. O., P. B. B. H.*, November 1, 1921-March 1, 1923; H. O., Boston Lying-In Hosp., 1923; Physician, Med. Dept., Boston Disp.; Asst. Prof. Prev. Med., Tufts Medical School; in practice, Boston.

BUCKLEY, RICHARD COTTER

B.S., Trinity, 1919; M.D., Yale, 1924; Res. Pathol., New Haven Hosp., 1924-27; Instr. in Pathol., Yale Medical School, 1924-27; *Surg. H. O., P. B. B. H.*, June 15, 1927-November 1, 1928; Jr. Assoc. in *Surg.*, *ibid.*, November 1, 1928-November 1, 1929; Asst. Res. Surg., *ibid.*, November 1, 1929-April 1, 1930; Asst. Surg., St. Francis Hosp., Hartford, Conn.; in practice, Hartford, Conn.

BUHRMESTER, JR., HARRY C.

M.D., Harv., 1930; H. O., Church Home and Infirmary, Baltimore, Md., 1930-31; *Med. H. O., P. B. B. H.*, February 15, 1931-November 1, 1931; Study in Germany, 1934-36; in practice, Lafayette, Ind.

BURLINGHAM, LOUIS HERBERT

A.B., Yale, 1902; M.D., Johns Hopkins, 1906; House Pupil, M. G. H., 1906-07; Asst. Res. Phys., *ibid.*, 1907-12; Asst. Adm., *ibid.*, 1912;

PETER BENT BRIGHAM HOSPITAL

First Asst. Supt., P. B. B. H., October 19, 1912-April 30, 1917; Curator, ibid., May 8, 1913-May 10, 1917; Administrator, St. Louis Children's Hosp., 1917-25; Mem. Med. Council to U. S. Vet. Bureau; Pres., Mo. Hosp. Assoc., 1921-22; Trustee, Mid-West Hosp. Assoc.; Director, Central Bureau for Homeless Men, St. Louis; Trustee, A. H. A., 1919-21; President, A. H. A., 1928-29; Lect. on Hosp. Adm., Washington Univ. Med. Sch.; Assoc. Editor, Modern Hosp.; Supt., Barnes Hosp., St. Louis, Mo.

BUTLER, STUYVESANT

Ph.B., Yale, 1924; M.D., Univ. of Chicago, 1928; Interne, Presbyterian Hosp., Chicago, Ill.; *Asst. Res. Phys., P. B. B. H., September 1, 1929-May 1, 1930*; Clin. Instr. in Med., Rush. Med. Coll.; Asst. Attend. Phys., Presbyterian Hosp., Chicago; in practice, Chicago, Ill.

BYSSHE, STANLEY M.

A.B., Harv., 1927; M.D., *ibid.*, 1931; *Surg. H. O., P. B. B. H., April 1, 1931-August 1, 1932*; H. O., January 1, 1933-January 1, 1934; Asst. Res. in Gynecology, 1934, Res. Pathol., 1934-35, Res. in Obstetrics, 1935-36, Res. in Gynecology, Sloane Hosp. for Women, New York.

CADBURY, WILLIAM WARDER

A.B., Haverford, 1898; A.M., *ibid.*, 1899; M.D., Univ. of Pa., 1902; Res. Phys., Pa. Hosp., 1903-05; Stud. in Vienna, 1905; Grad., London Sch. of Hygiene and Trop. Med., 1928; Instr. in Pathol. and Pharmacodynamics, Univ. of Pa., 1906-07; Pathol., St. Mary's Hosp., Philadelphia, 1906-07; Pathol., Henry Phipps Inst. for the Study, Treatment and Prevention of Tuberculosis, 1908-09; Visit. Phys., Free Hosp. for Poor Consumptives, White Haven, Pa., 1908-09; *Asst. Res. Phys., P. B. B. H., November 1, 1915-March 1, 1916*; Prof. Int. Med., Dr. Sun Yat Sen Med. Coll.; Head. Dept. of Med., Canton Hosp., Canton, China.

CAIRNS, HUGH WILLIAM BELL

M.B., B.S., Univ. of Adelaide, 1917; Rhodes Scholar, Oxford, 1919-20; F.R.C.S., England, 1921; War service, 1915-18; House Surg., Radcliffe Infirmary, Oxford, 1920-21; House Surg., London Hosp., 1921; Pathol. Asst., *ibid.*, 1921-22; House Phys., *ibid.*, 1922; Asst. in Surg. Unit, London Hosp., 1923; Surg. First Asst. *ibid.*, 1924-25; Asst. Surg., *ibid.*, 1926; Hunterian Prof. R. C. S., 1925-26; *Asst. Res. Surg., P. B. B. H., October 1, 1926-September 15, 1927*; Asst. Surg., London Hosp., London, England; *Asst. Res. Surg., P. B. B. H., September 5-September 19, 1930*; Nuffield Prof. of Surg., Univ. of Oxford, London, England; Fellow of Balliol College, Oxford.

CALHOUN, ABNER W.

A.B., Univ. of Ga., 1918; M.D., Harv., 1923; two months in tuberculosis work, Ray Brook, N. Y.; Med. H. O., B. C. H., 1924-25; *Asst. Res. Phys., P. B. B. H., November 15, 1925-September 1, 1927*; Chief Res., Grady Hosp., Atlanta, Ga., 1927-28; Assoc. in Med.,

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Emory Univ.; Phys. in Charge, J. J. Gray Clin.; in practice, Atlanta, Ga.

CANNADY, EDWARD W.

A.B., Washington Univ., 1927; M.D., *ibid.*, 1931; Med. H. O., Barnes Hosp., St. Louis, 1931-33; *Asst. Res. Phys., P. B. B. H.*, 1933-34; Res. Phys., Barnes Hosp., 1934-35; Asst. in Med., Washington Univ.; Asst. Phys., Barnes Hosp.; Chief of Staff, Dept. of Health Supervision, Public Schools of East St. Louis, Ill.; in practice, E. St. Louis, Ill.

CARR, GLADYS LYDIA

M.D., Tufts, 1906; H. O., N. E. Hosp. for Women and Children, 1906-07; Asst. on Maternity Staff, *ibid.*, 1907-08; Gen. Practice, Boston, 1907-08; Private Practice, Lynn, 1908-14; Head of Roent. and Electrotherapeutic Depts., N. E. Hosp. for Women and Children; *Roentgenologist, pro tempore, P. B. B. H.*, June 1, 1914-February 1, 1916; *Roentgenologist, ibid.*, February 1, 1916-October 31, 1917; Roentgenologist, American Comm. for Relief in the Near East, Asia Minor; Roentgenologist, Finley Hosp., Dubuque, Iowa.

CARTER, JR., DAVID WENDEL

A.B., Southwestern Univ., 1909; A.M., *ibid.*, 1910; M.D., Johns Hopkins, 1914; H. O., Clifton Springs Sanitarium, 1914; *Med. H. O., P. B. B. H.*, January 4, 1915-July 1, 1916; Asst. Res. Phys., J. H. H., 1916-17; Res. Phys. in charge of Private Wards, *ibid.*, 1917-18; First Lieut., M. C., U. S. Army, 1917-19; Visit. Phys., Parkland Hosp., Dallas; Assoc. Prof. of Med., Baylor Univ., Dallas; Assoc. Phys., Baylor Hosp.; in practice, Dallas, Texas.

CARTY, JOHN RUSSELL

B.S., Princeton, 1917; M.D., Cornell, 1921; House Phys., New York Hosp., 1921-23; *X-ray H. O., P. B. B. H.*, July 1, 1923-July 1, 1924; Asst., Dept. of Radiology, M. G. H., April-October, 1925; Chief of Clin. in Roent., Cornell Univ. Med. Sch. Clin., New York; Assoc. Prof. Roent., *ibid.*; Radiologist in Chief, New York Hosp.

CASHMAN, CHARLES J.

D.M.D., Harv., 1928; *Dental Interne, P. B. B. H.*, October 1, 1930-August 1, 1931; Asst. Instr. in Extraction and Anesthesia, Harv.; Grad. Asst., Dental Clin., M. G. H., Capt. Dental Corps, U. S. Army.

CASTLE, EDWARD B.

B.S., Univ. of Mich., 1927; M.D., *ibid.*, 1929; *Surg. H. O., P. B. B. H.*, July 1, 1929-November 1, 1930; Asst. Res. in Surg. and Acting Res. Surg., Vanderbilt Univ. Hosp., Nashville, Tenn., 1930-31; in practice, Cleveland, Ohio.

CHASE, HENRY MELVILLE

S.B., Dart., 1897; M.D., Harv., 1901; House Pupil, M. G. H., 1901-02; Asst. Surg., Boston Disp., 1906-14; Surg., Boston Disp.; Surg., Berkeley Infirmary; *Assoc. in Surg., P. B. B. H.*, November 17, 1914-July 11, 1919; in practice, Boston.

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CHELEY, GLEN EVAN

A.B., Colorado Coll., 1916; M.D., Harv., 1920; *Surg. H. O., P. B. B. H., July 1, 1920-November 1, 1921*; H. O., Boston Lying-In Hosp., 1921-22; Assoc. Prof. Surg., Univ. of Colorado Sch. of Med.; Visit. Surg., Colorado Gen. Hosp.; in practice, Denver, Colo.

CHRISTIAN, JR., THOMAS D.

M.D., Harv., 1923; Med. H. O., B. C. H.; *Asst. Res. Phys., P. B. B. H., January 1, 1925-November 15, 1925*; Jr. Assoc. in Med., *ibid., November 15, 1925-October 1, 1926*; in practice, Greensboro, N. C. Died January 12, 1929.

CLARK, JR., BURTON

B.S., Univ. of Wis., 1921; M.D., Harv., 1923; Interne, St. Luke's Hosp., Chicago, July 1, 1923-April 1, 1925; *Surg. H. O., P. B. B. H., May 1-November 1, 1925*; Pathol. H. O., B. C. H., November 1, 1925-January 1, 1926; in practice, Oshkosh, Wis., 1926-31; Asst. Res. Surg., Lakeside Hosp., 1931-32; in practice, Oshkosh, Wis.

CLAY, CHARLES L.

B.S., Dart., 1919; M.D., Columbia Univ., Coll. of Phys. and Surgs., 1921; Interne, Lawrence General Hosp., 1921-22; Asst. Phys., Danvers State Hosp., 1922-28; *Second Asst. Supt., P. B. B. H., January 15, 1928-July 1, 1930*; *First Asst. Supt., ibid., July 1, 1930-March 5, 1934*; Med. Director, Long Island Hosp., Boston.

CLIFFORD, MILTON HENRY

A.B., Harv., 1927; M.D., *ibid.*, 1931; *Med. H. O., P. B. B. H., 1931-33*; Asst. in Med., M. G. H., O. P. D.; Asst. Phys., Long Island Hosp.; Asst. in Med., Harv.

CLIFFORD, RANDALL

A.B., Harv., 1912; M.D., *ibid.*, 1917; Sr. Grade, U. S. Navy Med. Corps; Visit. Phys., Prendergast Preventorium, 1923-24; Asst. Phys., Channing Home, 1924-29; Asst. to Out-Patients, M. G. H., 1923-29; Assoc. in Med., M. G. H., 1929-31; Asst. in Med., Harv., 1929-34; *Assoc. in Med., P. B. B. H., 1931-35*; in practice, Boston, Mass.

COBB, STANLEY

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Surg. H. O., P. B. B. H., July 1, 1914-July 1, 1915*; Vol., Lab. of Physiol. Research, Johns Hopkins, 1915-16; Asst. in Physiol., *ibid.*; Asst. in Psychiatry, *ibid.*, 1916-17; Asst. in Psychiatry and Physiol. of the Nervous System, *ibid.*; Asst. Psychiatrist, *ibid.*, 1917-18; Assoc. in Psychiatry, *ibid.* (on leave of absence); First Lieut., M. C., U. S. Army, 1917-19; Asst. Neurol., M. G. H., 1919-20; Dalton Scholar, *ibid.*; Instr. in Neurol. and Physiol., Harv., 1919-23; Asst. Neurol., M. G. H.; Asst. Prof. of Neuropathol., Harv., 1923; Rockefeller Fellow in Europe, 1923-25; Visit. Phys. for Neurol., B. C. H., 1925-34; Assoc. Prof. Neuropathol., Harv., 1926; Bullard Prof. Neuropathol., *ibid.*; Psychiatrist-in-Chief, M. G. H.

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COCHRAN, H. WALTON

B.A., Univ. of Texas, 1924; M.D., Johns Hopkins, 1928; *Surg. H. O., P. B. B. H.*, January 1, 1929-May 1, 1930; Jr. Fellow in Surg., Presbyterian Hosp., New York; Fellow in Surg., *ibid.*; Instr. in Surg., College of Phys. and Surg., New York; Asst. Attend. Surg., Parkland Hosp., Dallas, Texas.

CONNOR, CHARLES LLOYD

Univ. Pittsburgh, 1913-17; M.D., Baylor Univ., Coll. of Med., 1920; Interne, St. Joseph's Hosp., Pittsburgh, 1920-21; Gen. Practice, Montana, 1921-22; Fellow in Med., Nat. Research Council, 1922-25; Research Fellow, Pathol., Harv., 1923-25; Instr. in Pathol., *ibid.*, 1925; Faculty Instr., *ibid.*, 1926-28; *Res. Pathol., P. B. B. H.*, September 1, 1925-September 1, 1926; Acting Director, Pathological Laboratories, Montreal Gen. Hosp. (leave of absence from Harvard, 1926-27); Assoc. Prof. Pathol. and Ex. Head, Dept. of Pathol., Univ. of Calif. Med. Sch., 1928-30; Prof. Pathol., *ibid.*

COOK, WARD HANCE

A.B., Univ. of Kans., 1909; A.M., *ibid.*, 1910; Fellow in Zoölogy, *ibid.*, 1909-10; Instr. in Embryology and Histology, *ibid.*, 1910; M.D., Harv., 1914; *Med. H. O., P. B. B. H.*, July 1, 1914-July 10, 1915; Second Asst. in Pathol., B. C. H., 1915-16; First Asst. in Pathol., *ibid.*, 1916-17; Pathol., Long Island Hosp., Boston, 1917-21; Instr. in Pathol., Harv., 1917-21; Prof. of Pathol., Med. Coll. of Va., Richmond, Va., 1921-24; Assoc. Director, Wm. H. Singer Mem. Research Lab., Pittsburgh, Pa., 1925-26; Pathol., N. Y. Post Grad. Med. Sch. and Hosp., 1926-28; Director, Bureau of Labs., Dept. of Health, Yonkers, N. Y.; Pathol., St. John's Riverside, Yonkers General, and St. Joseph's Hospitals, Yonkers, N. Y.

COULTER, A. BARKLIE

A.B., Catholic Univ. of America, 1918; M.D., Johns Hopkins, 1924; Asst., Trudeau Sanatorium, Saranac, 1924-25; Res. H. O., Royal Victoria Hosp., Montreal, 1925-26; *Jr. Assoc. in Med., P. B. B. H.*, October 1, 1926-September 1, 1927; Head, Dept. of Med., Gallinger Municipal Hosp., Washington, D. C., 1930-31; Director, Bureau for Tuberculosis, Health Dept., Washington, D. C.; in practice, Washington, D. C.

COUNCILMAN, WILLIAM THOMAS

M.D., Univ. of Md., 1878; Stud. Univs. of Vienna and Leipzig; Hon. A.M., Harv., 1899; Hon. A.M., Johns Hopkins, 1902; LL.D., Univ. of Md., 1907; LL.D., McGill Univ., 1911; LL.D., Western Reserve Univ., 1929; LL.D., St. John's College, Annapolis, Md., 1932; Asst. Prof. in Anat., Johns Hopkins, 1890-91; Shattuck Prof. of Pathol. Anatomy, Harv., 1892; Emeritus Prof., *ibid.*; *Consult. Pathol., P. B. B. H.*, March 25, 1912-August 14, 1913; *Pathol., ibid.*, August 14, 1913-December 1, 1916 (granted leave of absence from November 9-December 1, 1916); Mem., Dr. Hamilton Rice's Expe-

PETER BENT BRIGHAM HOSPITAL

dition to South America; Fellow, Am. Acad., 1895; Mem., Nat. Acad. of Sciences, 1904; Fellow, Philosophical Society, Philadelphia, 1918. *Died May 27, 1933.*

Cox, WILLIAM V.

A.B., Univ. of Mich., 1921; M.D., Harv., 1925; H. O., Lakeside Hosp., 1925-26; Asst. Res., *ibid.*, 1926-28; Crile Fellow in Surg., Western Reserve Univ., 1928-29; *Asst. Res. Surg., P. B. B. H., July 15, 1929-January 6, 1930*; Res. Surg., Lakeside Hosp., January, 1930-July, 1931; Instr. in Surg., Western Reserve Univ., 1931-32; Asst. Surg., Lakeside Hosp., 1931-32; Asst. Surg., Disp., *ibid.*, 1931-32; Instr. in Surg., Harv.; Jr. Assoc. in Surg., *P. B. B. H.*, 1932-35; in practice, Lewiston, Me.

CRISLER, JR., JOSEPH AUGUSTUS

B.S., Univ. of Va., 1917; M.D., Harv., 1921; F.A.C.S.; *Surg. H. O., P. B. B. H., November 1, 1921-March 1, 1923*; in practice, Memphis, Tenn.

CROCKETT, EUGENE ANTHONY

Act. Consult. Otologist and Laryngologist, P. B. B. H., June 13, 1918-December 31, 1919. Died June 13, 1932.

CRUMP, GEORGE CURTIS

B.S., Dart., 1923; M.D., Harv., 1926; *Surg. H. O., P. B. B. H., April 1, 1928-August 1, 1929*; Asst. Res. Phys., Trudeau San., Saranac Lake, N. Y., 1929-31; Asst. Phys., Metropolitan Life Ins., Co. San., 1931-33; Pathol., Biltmore Hosp., Asheville, N. C.; in practice, Asheville, N. C.

CRUTCHFIELD, WILLIAM G.

A.B., Univ. of Ky., 1923; M.D., Johns Hopkins, 1927; Surg. Interne, Women's Hosp., Baltimore, Md., 1927-28; *Surg. H. O., P. B. B. H., July 1, 1928-November 1, 1929*; Res. in Neuro-Surg., Memorial Hosp., Richmond, Va.; Asst. Prof. Neurol. Surg., Med. College of Virginia.

CUNNINGHAM, THOMAS DONALD

B.S., Dart., 1913; M.D., Harv., 1918; House Pupil, M. G. H., 1917-18; *Asst. Res. Phys., P. B. B. H., March 1, 1919-July 1, 1920*; House Pupil, Children's Med. Serv., M. G. H., 1920-21; Mem., Med. Staff, Denver City and County Hosp., St. Joseph's Hosp., St. Luke's Hosp., and Children's Hosp., Denver, Colo.; Staff, Colorado Gen. Hosp.; Asst. Prof. Med., Univ. of Col.; in practice, Denver, Colo.

CURTIS, ROBERT DUDLEY

A.B., Harv., 1914; M.D., *ibid.*, 1918; *Med. H. O., P. B. B. H., July 1, 1918-July 1, 1919*; Pediatric H. O., M. G. H., 1918; Asst. Visit. Phys., *ibid.*, O. P. D., 1919; Med. Director, Boston Baby Hygiene Assoc.; Asst. in Pediatrics, Harv.; in practice, Boston.

CURTISS, ARTHUR NILES

A.B., Oberlin Coll., 1918; M.D., Syracuse Univ., 1923; Instr. in Physiol., Coll. of Med., Syracuse Univ., 1918-24; *Med. H. O., P. B.*

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B. H., November 1, 1924-March 1, 1926; Asst. in Med. and Director of Students' Lab., Univ. Hosp., Syracuse, N. Y.; Instr. in Clin. Path. and Clin. Med., *ibid.*; Attend., Gen. Hosp. of Syracuse and City Hosp.; in practice, Syracuse, N. Y.

DAVENPORT, LOWREY F.

B.S., Emory, 1927; M.D., Univ. of Rochester, 1931; *Med. H. O.*, *P. B. B. H.*, July 1, 1931-November 1, 1932; Research Fellow in Med., 1932-33, Asst., 1934-36, Instr. in Med., 1936-37, Harv.; Asst. Supt., Middlesex Co. San., Waltham, Mass.

DAVIDOFF, LEO MAX

Two years pre-med. work, Harv.; M.D., *ibid.*, 1922; Stud. Interne, Boston Psychopathic Hosp., April, 1921-June, 1922; Pediatric Serv., B. C. H., July-November, 1922; Med. Serv., New Haven Hosp., November 1, 1922-November 1, 1923; *Surg. H. O.*, *P. B. B. H.*, March 1, 1924-June 20, 1925; Surg., MacMillan Arctic Expedition, June 20, 1925-October 1, 1925; Asst. Res. Surg., *P. B. B. H.*, November 1, 1925-October 1, 1926; *P. B. B. H.* Traveling Fellowship, 1926-27; Asst. Neuro-Pathol., Psychiatric Inst. of the State of New York, 1927-28; Attend. Neuro-Surg., Beth Israel Hosp., New York City; Attend. Neuro-Surg., N. Y. Neurol. Inst.; Asst. Prof. in Neurol., Coll. of Phys. and Surg., Columbia Univ.

DAVIDSON, LEONARD TOMB

A.B., Oberlin, 1912; M.D., Johns Hopkins, 1919; *Med. H. O.*, *P. B. B. H.*, September 15, 1919-November 1, 1920; Asst. Res. Phys., Presbyterian Hosp., New York, 1920-21; Res. Phys., St. Louis Children's Hosp., St. Louis, 1921-23; Assoc. Diseases of Children, Coll. Physicians and Surgeons, New York; Asst. Attend. Phys., Babies' Hosp., New York; in practice, New York City.

DAVIS, LOYAL

M.D., Northwestern Univ., 1918; M.S., *ibid.*, 1921; Ph.D. in Surg., *ibid.*, 1923; Nat. Research Council Fellow, 1922-24; Jr. Assoc. in Surg., *P. B. B. H.*, March-October, 1924; Assoc. Prof. Surg., Northwestern Univ. Med. Sch., 1925-32; Prof. Surg. and Chairman, Div. of Surg., *ibid.*; Attend. Surg., Wesley Mem. Hosp., Passavant Mem. Hosp., Chicago; Consult. Neurol. Surg., Edward Hines, Jr., Mem. Hosp.

DAWSON, ROGER PAUL

A.B., Holy Cross, 1907; M.D., Harv., 1911; Med. H. O., Carney Hosp., Boston, 1911-12; *Med. H. O.*, *P. B. B. H.*, November 1, 1912-November 1, 1913; Fellow in Med., Harv., 1914-15; Phys., Carney Hosp., O. P. D., 1914-15; Assoc. in Med., *P. B. B. H.*, July 1, 1915-December 31, 1916; Asst. Phys., Boston Disp., O. P. D.; Phys. to O. P. D., M. G. H.; in practice, Boston.

DAY, HILBERT FRANCIS

Ph.B., Yale, 1901; M.D., Harv., 1905; Surg. H. O., B. C. H., 1905-07; House Phys., Boston Lying-In Hosp., 1907-08; Third Asst. Visit.

PETER BENT BRIGHAM HOSPITAL

Surg., B. C. H. (Gynecol. Dept.), 1908-09; District Phys., Boston Disp., 1909-12; Asst. Surg., Boston Disp., 1912-14; Surg., *ibid.*, 1914-19; Asst. in Surg., Harv., 1919-21; Instr. in Surg., *ibid.*; Prof. in Clin. Surg., Tufts; Surg.-in-Chief, Boston Disp.; *Assoc. in Surg.*, *P. B. B. H.*, 1914-33; Consult. Surg., Mass. State Prison Colony, Norfolk, Mass., and Masonic Hosp., Shrewsbury, Mass.; Sr. Visit. Surg., Cambridge Hosp.; Surgeon, Boston Floating Hosp.

DAYTON, THEODORE READ

A.B., Amherst, 1916; M.D., Harv., 1925; *Surg. H. O., P. B. B. H.*, March 1, 1926-July 1, 1927.

DEAN, JR., ARCHIE LEIGH

B.S., Cornell, 1913; M.D., *ibid.*, 1917; *Surg. H. O., P. B. B. H.*, May, 1917-February, 1918; First Lieut., M. C., U. S. Army, 1918-19; Assoc. Surg., Mem. Hosp., New York; Assoc. Urol., Fifth Ave. Hosp., New York; Visit. Urol., Reconstruction Hosp., New York; Consult. Urol., Somerset Hosp., New York City; in practice, New York City.

DELARUE, JR., EDWARD A.

B.S., Univ. of Va., 1929; M.D., *ibid.*, 1933; *Med. H. O., P. B. B. H.*, 1933-35; Res. Phys., King's Co. Hosp., Brooklyn, N. Y., 1935-36; Interne, Willard Parker Hosp., N. Y., 1936; in practice, Richmond, Va.

DEROW, HARRY A.

M.B., Boston Univ., 1926; M.D., *ibid.*, 1927; Pathol. H. O., M. G. H., June, 1927-January, 1928; *Med. H. O., P. B. B. H.*, March 1, 1928-July 1, 1929; Teach. Fellow in Med., 1929-30, Asst. in Med., 1930-33, Instr. in Med., Harv.; Res. Phys., 1929-31, Med. Co-ordinator, O. P. D., 1931-33, Assoc. Phys. and Director, O. P. D., Beth Israel Hosp.; in practice, Boston.

DEVAN, THOMAS ALAN

B.S., Rutgers, 1906; M.D., Johns Hopkins, 1910; H. O., Presbyterian Hosp., New York, 1911-13; Second Asst. Supt., *P. B. B. H.*, August 1, 1913-May 1, 1917; First Asst. Supt., *ibid.*, May 1, 1917-July 1, 1919; First Lieut., M. C., U. S. Army, November 5, 1918-December 6, 1918; College Phys. and Prof. of Hygiene, Rutgers Coll., New Brunswick, N. J., July, 1919-July, 1925; Asst. Director, Strong Mem. Hosp., Rochester, N. Y., September, 1925-May, 1930; Supt., Eastern Maine Gen. Hosp., Bangor, Me.

DIACK, SAMUEL

B.S., Chem. Engineering, Calif. Inst. of Tech., 1925; M.S., Physiol. Chem., Univ. of Mich., 1926; M.D., *ibid.*, 1930; *Med. H. O., P. B. B. H.*, 1930-31; Clin. Instr. in Med., Univ. of Oregon; in practice, Portland, Ore.

DIAL, DONALD EMORY

B.A., Yale, 1925; M.D., *ibid.*, 1928; Pathol. Interne, New Haven Hosp., 1928-29; Fellow in Plastic Surg., Johns Hopkins Hosp.,

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1929-30; *Surg. H. O., P. B. B. H.*, April 1, 1930-August 1, 1931; Asst. Res. in Surg., Obst. and Gyn., New Haven Hosp., 1931-33; Res. in Orthopedics, *ibid.*

DOCK, WILLIAM

B.S., Wash. Univ., 1920; M.D., Rush Med. Coll., 1922; *Med. H. O., P. B. B. H.*, July 1, 1922-November 1, 1923; Asst. Res. Phys., *ibid.*, November 1, 1923-November 1, 1924; Grad. Stud., Vienna, Austria; Med. Res., Lane and Stanford Hosp., San Francisco, Calif.; Asst. Clin. Prof. Med., Asst. Prof. Med., Assoc. Prof., Prof. of Pathol., Stanford Univ., San Francisco, Calif.

DOEGE, PAUL FREDERICK

Univ. of Wis., 1917-20; Western Reserve Univ., 1920-22; M.D., Harv., 1926; *Pathol. H. O., P. B. B. H.*, October 1, 1926-January 1, 1927.

DONALD, DOUGLAS

B.S., Univ. of Mich., 1916; M.D., Harv., 1918; *Med. H. O., P. B. B. H.*, February 12, 1918-March 1, 1919; Asst. Res. Phys., *ibid.*, March 1-June 16, 1919; Henry Ford Hosp., 1919-20; Attend. Phys., Receiving Hosp.; Asst. Phys., Harper Hosp.; Consult., Herman Kiefer Hosp.; Prof. Clin. Med., Wayne Univ.; in practice, Detroit, Mich.

DOTT, NORMAN McOMISH

M.B., Ch.B., Edinburgh; F.R.C.S., Edinburgh; Jr. Assoc. in *Surg., P. B. B. H.*, November, 1923-June, 1924; Neurol. Surg., Royal Infirmary, Edinburgh and Jordanburn Nerve Hosp., Edinburgh; *Act. Asst. Res. Surg., P. B. B. H.*, July-August, 1929; Surg., Royal Hosp. for Sick Children, Edinburgh; Lect. in Neurol. Surg., Edinburgh Univ.

DOTY, EDWIN J.

M.D., Univ. of Mich., 1929; *Med. H. O., P. B. B. H.*, March 1, 1930-July 1, 1931; Asst. Phys., Psychopathic Hosp., Ann Arbor, 1931-33; Instr. in Psychiatry, Univ. of Mich. Med. Sch., 1932-33; Asst. Res. Phys., Bloomingdale Hosp., White Plains, N. Y., 1933-35; Asst. in Psychiatry, Univ. of Mich., 1935-36; Res. Phys., Neurol. Inst. of New York.

DOZIER, PAUL C.

A.B., Univ. of Calif., 1926; M.D., Harv., 1929; *Med. H. O., P. B. B. H.*, November 1, 1929-March 1, 1931; Asst. Phys., Boston Psychopathic Hosp., 1931-32; Research Assoc., Neurol. Inst. of N. Y., 1932-36; Rockefeller Foundation Fellow, 1933-36; Asst. Phys., Inst. of Pennsylvania Hosp.; Fellow in Psychiatry, Univ. of Pa.

DREWRY, JR., PATRICK HENRY

M.D., Johns Hopkins, 1932; Med. H. O., Baltimore City Hosp., 1932-33; *Asst. Res. Phys., P. B. B. H.*, 1933-34; Asst. Res. Phys., Bloomingdale Hosp., White Plains, N. Y.

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DRINKER, CECIL KENT

B.S., Haverford, 1908; M.D., Univ. of Pa., 1913; S.D., Haverford, 1933; Vol. Asst., Dept. of Pharmacology, Univ. of Pa. Med. Sch., 1913-14; *Med. H. O., P. B. B. H.*, March 1, 1914-July 1, 1915; Asst. in Physiol., Johns Hopkins, 1915-16; Instr. in Physiol., Harv., 1916-18; *Res. Phys., P. B. B. H.*, July 10-October 15, 1917; Asst. Prof. Physiol., Harv., 1918-19; Assoc. Prof. Applied Physiol., *ibid.*, 1919-23; Asst. in Med., M. G. H., 1922; Asst. to the Visit. Phys., B. C. H., 1922-24; Special Research Lab. of Zoophysiology, Univ. of Copenhagen, Denmark, 1926-27; Asst. Dean, Harv. Sch. Public Health, 1924-35; Act. Dean, *ibid.*, May 1, 1930-February 1, 1931; Prof. of Physiol., Harv.; Dean, Harv. Sch. of Public Health.

DRINKER, KATHERINE ROTAN

A.B., Bryn Mawr, 1910; M.D., Women's Med. Coll. of Pa., 1914; *Asst. Res. Phys., P. B. B. H.*, July 7-September 24, 1917; Research Worker in Physiol., 1914-15, 1916-17; *ibid.*, Johns Hopkins, 1915-16; Managing Ed., Journal Indust. Hygiene, 1918-21; Lect. in Hygiene, Bryn Mawr Coll., 1921-23; Research Worker in Physiol., Harv., 1921-26.

DRISSEN, EDWARD M.

B. A., Univ. of Wis., 1927; M.D., Harv., 1931; Surg. H. O., Children's Hosp., Boston, 1931-32; *Surg. H. O., P. B. B. H.*, April 1, 1932-August 1, 1933; Asst. Res. Surg., Louisville City Hosp., 1933-34; Obstet. H. O., B. L. I., Boston, 1934-35; Res. Surg., Louisville City Hosp., 1935-36; Surgeon, Britton Clin., Britton, S. D.

DU MORTIER, JEAN J.

B.A., Columbia, 1927; M.D., Yale, 1931; Substitute Interne, New Haven Hosp., October, 1930-May, 1931; *Surg. H. O., P. B. B. H.*, October 1, 1931-February 1, 1933; Asst. Res. Surg. Pathol., New Haven Hosp.; Asst. Res. Surg., *ibid.* Died January 19, 1934.

DYKE, CORNELIUS

B.S., Univ. of Iowa, 1926; M.D., *ibid.*, 1926; Interne, Chelsea Naval Hosp., 1926-27; *H. O., Roent., P. B. B. H.*, 1927-28; *Asst. Res. in Roent.*, *ibid.*, 1928-29; Asst. Director, Dept. of Roent., Neurol. Inst. of New York.

ECKELS, JOHN C.

A.B., Park Coll., 1922; M.D., Harv., 1927; Interne, Lankenau Hosp., Philadelphia, 1928-30; *Asst. Res. Surg., P. B. B. H.*, January 1930-September, 1931; Moseley Trav. Fellow, 1931-32; Asst. in G. U. Surg., Harv.; Jr. Assoc. in Urol., *P. B. B. H.*, 1932-34; in practice, Lisbon, N. H.

EDSON, PHILIPS JOSIAH

A.B., Univ. of Cal., 1920; M.A., *ibid.*, 1921; M.D., *ibid.*, 1924; Stud. Interne, Hahnemann Hosp., summer 1922; Med. Officer to Sierra Club Outings, 1921-22; Interne, Yosemite Hosp., Cal., 1923; *Med.*

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H. O., P. B. B. H., November 1, 1923-March 1, 1925; H. O., X-ray Dept., ibid., March 1-September 1, 1925; Jr. Member of Staff in Med., Pasadena Hosp.; Roentgenologist, Pasadena Chest Clin.; Asst. Vis. Phys., Los Angeles Gen. Hosp.; Instr. in Phys. Diagnosis, College of Med. Evangelists; in practice, Pasadena, Calif.

EDWARDS, SUMNER

A.B., Bowdoin, 1910; Stud., Hebron Acad., Me., 1910-11; M.D., Harv., 1915; *Med. H. O., P. B. B. H., November 1, 1915-January 6, 1916. Died January 6, 1916.*

EGLOFF, WILLIAM C.

S.B., Univ. of Chicago, 1923; M.D., *ibid.*, 1927; Interne, St. Luke's Univ. of Chicago, January-July, 1928; *Jr. Assoc. in Med., P. B. B. H., September 1, 1928-August 1, 1932;* in practice, Mason City, Iowa.

EISENHARDT, LOUISE

M.D., Tufts, 1925; Interne, N. E. Hosp. for Women and Children, 1925-26; Attend. Phys., *ibid.*, 1926-29; Consult. Neurol., *ibid.*; *Jr. Assoc. in Neurol. Surg., P. B. B. H., 1928-34;* Asst. Prof. Pathol., Director, Brain Tumor Registry, Yale.

ELIOT, MARTHA MAY

A.B., Radcliffe, 1913; M.D., Johns Hopkins, 1918; *Med. H. O., P. B. B. H., June 15, 1918-July 1, 1919;* St. Louis Children's Hosp., 1919-20; Phys., Boston, Mass., 1920-21; Dept. of Pediatrics, New Haven Hosp., New Haven, Conn., 1921-23; Instr., Yale., 1921-26; Asst. Clin. Prof. Pediatric Dept., Yale, 1926-32; Assoc. Clin. Prof., *ibid.*; Director, Div. of Child Hygiene, U. S. Children's Bureau, Washington, D. C.

ELKIN, DANIEL COLLIER

A.B., Yale, 1916; M.D., Emory Univ., 1920; Asst. Res. Surg., New York Lying-In Hosp., 1920; *Surg. H. O., P. B. B. H., March 1, 1921-July 1, 1922; Asst. Res. Surg., ibid., July 1, 1922-July 1, 1923; Res. Surg., ibid., July 1-September 1, 1923;* Asst. in Surg., Harv., 1923; Instr. in Surg., Emory Univ. Sch. of Med., 1924; Assoc. in Surg., *ibid.*, 1924-30; Prof. of Surg., Emory Univ. and Surg.-in-Chief to University Hospitals; Surg.-in-Chief, Henrietta Egleston Hosp. for Children, Atlanta, Ga.

ENGELBACH, FRIEDRICH

A.B., Illinois College, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H., July 1, 1928-November 1, 1929;* Instr. in Dept. of Internal Med., Univ. of Mich., 1930-32; in practice, Jacksonville, Ill.

ESCAMILLA, ROBERTO FRANCISCO

A.B., Univ. of Cal., 1927; M.D., Harv., 1931; *Med. H. O., P. B. B. H., November 1, 1931-March 1, 1933;* Asst. Visit. Pathol., San Francisco Hosp., 1933; Asst. Res. Phys., Univ. of Calif. Hosp., 1933-34; Asst. in Med., 1934-36; Instr. in Med., Univ. of Calif.; in practice, San Francisco, Calif.

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EVANS, JAMES A.

A.B., Univ. of Wis., 1917; M.D., Harv., 1920; Med. Interne, Barnes Hosp., St. Louis; Group Practice, one year; St. Frances Hosp., La Crosse, Wis.; June, 1922, holder of Scholarship in France under Professors Gilbert and Widal and Doctor Bensaude; *Asst. Res. Phys., P. B. B. H., July 10, 1923-July 1, 1924*; Asst. Preceptor in Med., Univ. of Wis. Med. Sch.; Mem., Central Soc. for Clin. Research; in practice, La Crosse, Wis.

FALK, EMIL A.

A.B., Univ. of Minn., 1921; M.D., Harv., 1925; *Med. H. O., P. B. B. H., July 1, 1925-November 1, 1926*; Pathology, B. C. H., 1927; Med. Res., Second (Cornell) Med. Div., Bellevue Hosp., New York, 1927-29; National Hosp., Queen's Sq., London, England, 1929; Instr., Clin. Med., Cornell Univ.; Phys., O. P. D., New York Hosp.; in practice, New York City.

FALLON, JOHN

A.B., Holy Cross, 1919; M.D., Harv., 1923; Asst. in Anat., Harv., 1923-25; Surg. H. O., St. Vincent Hosp., Worcester, 1924-25; *Surg. H. O., P. B. B. H., March 1, 1925-July 1, 1926*; Fellow in Surg., Mayo Clin., Rochester, Minn., 1927-29; (on leave of absence, 1927); Surg. Res., St. Vincent Hosp., Worcester, 1927; Surg., *ibid.*

FALLON, LOUIS

M.D., Univ. of Pa., 1916; F.A.C.S.; *Surg. H. O., P. B. B. H., July 1, 1916-November 15, 1916*; M. C., U. S. Army, 1918-19; Capt. with Base Hosp. 51 and 69 and Gen. Hosp. 31, Carlisle, Pa.; Consult. Surg., National Soldiers' Home, Togus; in practice, Augusta, Me. *Died January 8, 1937.*

FARBER, SIDNEY

B.S., Univ. of Buffalo, 1923; M.D., Harv., 1927; *H. O., Pathol., P. B. B. H., January 1-September 1, 1927*; Res. Pathol., Children's Hosp., September 1, 1927-September 1, 1928; Guest Asst., Univ. of Munich Pathol. Inst., 1928-29; Instr. in Pathol., Harv.; Asst. Pathol., Children's Hosp., 1930-31; Pathol., *ibid.*; Assoc. in Pathol., Harv.; Moseley Trav. Fellow, Harv., 1935-36.

FARBER, WILLIAM P.

A.B., Univ. of Cal., 1922; M.A., *ibid.*, 1923; M.D., Harv., 1927; *Surg. H. O., P. B. B. H., March 1, 1927-July 1, 1928*; Asst. Phys., U. S. Fed. Penitentiary, Atlanta, Ga., 1928-29; Asst. in Urol. to Dr. Montague Boyd, Atlanta, Ga., 1929-30; Res. in Urol., Grady Hosp., Atlanta, Ga., 1930-31; in practice of Urol., St. Petersburg, Fla.

FARNSWORTH, RICHARD WIGGIN

A.B., Univ. of Wis., 1924; M.D., Harv., 1928; *Surg. H. O., P. B. B. H., April 1, 1929-August 1, 1930*; in practice, Janesville, Wis.

FARRELL, JAMES IRVING

A.B., Hamilton, 1925; M.D., Harv., 1929; *Med. H. O., P. B. B. H., July 1, 1929-November 1, 1930*; H. O., Mass. Eye and Ear Infir-

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ary, 1930-32; Ophthal. Surg., Faxton Hosp., Utica Gen. Hosp. and Utica Free Disp.; Consult. Ophthalmologist, Oneida Co. Tbc. Hosp.; in practice, Utica, N. Y.

FEENEY, NEIL

B.A., M.D., McGill Med. School, 1927; Interne, Montreal Gen. Hosp.; *Asst. Res. Phys., P. B. B. H.*, September 1, 1929-August 1, 1930; Demonstr. in Med., McGill Med. Sch.; Assoc. in Med., Montreal Gen. Hosp.; in practice, Montreal, Can.

FENDER, FREDERICK ALLEN

A.B., Univ. of Calif., 1924; M.D., Harv., 1929; Med. Officer, *U. S. S. Nantucket*, May-October, 1929; *Surg. H. O., P. B. B. H.*, October 1, 1929-February 1, 1931; Res. Neuro-Surg., B. C. H., 1931-32; Abner Perry Hard Fellow Surg. Research, Rochester Sch. Med. and Dentistry, 1932-33; Asst. Res. Surg., Strong Mem. Hosp.

FETNER, L. M.

M.D., Med. Col. of Va., 1915; *H. O. Roent., P. B. B. H.*, October 1, 1926-October 1, 1927; *Asst. Res. Roent., ibid.*, 1927-28; in practice, Charlotte, N. C.

FISHBACK, FRED C.

A.B., Harv., 1919; M.S., Surg., Univ. of Minn., 1928; M.D., Harv., 1922; H. O., St. Francis Hosp., Jersey City, N. J.; *Pathol. H. O., P. B. B. H.*, May 15, 1923-February 1, 1924; one year at Woman's Hosp., New York City; N. Y. Lying-In Hosp., 1925; Fellow in Surg., Mayo Clin., Rochester, Minn., 1925-28; Prof. Clin. Surg., Georgetown Univ. Med. Sch., 1930-34; in practice, Washington, D. C.

FISHER, RIVINGTON H.

M.B., Queen's Univ., 1915; M.D., *ibid.*; C.M., *ibid.*; *Asst. Res. Surg., P. B. B. H.*, July 13, 1923-January 1, 1924.

FISKE, SEYMOUR

A.B., Univ. of Wis., 1916; M.D., Univ. of Pa., 1920; *Med. H. O., P. B. B. H.*, April 1, 1920-July 1, 1921; Out-Patient Attend., Babies' Hosp., New York, 1921-22; Attend. Phys., Cornell Clin., 1921-23; Attend. Gastro-Enterologist, Vanderbilt Clin., New York, 1923-24; Chief, G. I. Clin., Midtown Hosp., New York, 1925-26; Asst. Attend. Phys., Lutheran Hosp. of Manhattan, 1922-26; Asst. Attend. Phys., Presbyterian Hosp., O.P.D., New York, 1925-28; Admitting Phys., Hosp. for Ruptured and Crippled, New York, 1927-32; Asst. Attend. Phys., City Hosp., N. Y.; in practice, New York City.

FITZHUGH, GREENE S.

B.S., Univ. of Illinois, 1921; M.D., Harv., 1927; *Med. H. O., P. B. B. H.*, July 1, 1927-November 1, 1928; *Jr. Assoc. in Med., ibid.*, November 1, 1928-September 15, 1929; Asst. Res. Phys., Thorndike Lab., B. C. H., 1929-30; in practice, Boston.

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FLEMING, HOWARD

A.B., Univ. of Cal., 1914; M.D., *ibid.*, 1917; Med. and Surg. H. O., Univ. of Calif., eight months; Capt., M. C., U. S. Army; Asst. Res. Surg., San Francisco Hosp., 1919; *Asst. Res. Surg., P. B. B. H., December 20, 1919-February 1, 1921*; Assoc. Prof., Univ. of Cal.; Visit. Neuro-Surg., St. Luke's, Mt. Zion, and San Francisco Hospitals; in practice, San Francisco, Calif.

FLEMING, LEROY NEWTON

A.B., Miami, 1910; M.D., Johns Hopkins, 1914; Asst. in Surg., *ibid.*, 1915; *Surg. H. O., P. B. B. H., November 1, 1915-March 1, 1916*; Special Stud., Univ. of Mich., 1915-16; Surg. Research, Detroit, Mich.

FOLEY, FREDERIC E. B.

Ph.B., Yale, 1913; M.D., Johns Hopkins, 1918; Asst. in Pathol., *ibid.*, 1918-19; Lab. for Surg. Research, Harv., 1919-20; *Surg. H. O., P. B. B. H., March 1, 1920-July 1, 1921*; Asst. Prof. of Urol., Univ. of Minn. Med. Sch.; Chief Urologist, Ancker Hosp., St. Paul, Minn.; Visit. Genitourinary Surg., Miller Hosp.; in practice, St. Paul, Minn.

FOLIN, OTTO

S.B., Univ. of Minn., 1892; Ph.D., Univ. of Chicago, 1898; Sc.D., Washington Univ., 1915; Sc.D., Univ. of Chicago, 1916; Hon. M.D., Lund, 1918; Mem. Nat. Acad., 1916; Stud., Univs. of Sweden and Germany, 1897 and 1898; Asst. Prof. of Physiol. Chem., Univ. of W. Va., 1899-1900; Research Chem., McLean Hosp., Waverley, 1900-08; Assoc. Prof. of Biol. Chem., Harv., 1907-09; Hamilton Kuhn Prof. of Biol. Chem., *ibid.*; Chem., M. G. H.; *Consult. Chem., P. B. B. H.* Died October 25, 1934.

FORBES, HENRY STONE

A.B., Harv., 1905; Philippine Islands, 1905-06; M.D., Harv., 1911; Med. H. O., B. C. H., 1911-13; *Sr. Med. H. O., P. B. B. H., June 1-November 1, 1913*; Phys. for Men, Infirmary, Univ. of Cal., Berkeley, Calif., 1914-15; Am. Red Cross, Serbia, 1915-16; Asst. Phys., M. G. H., O. P. D.; Lieut. and Capt., M. C., U. S. Army, 1917-19; Research Work, Cancer Commission, Harv.; Lab. and Field Work, Div. Industrial Hygiene, *ibid.*; Hon. Research Fellow, Applied Physiol., Yale Univ., New Haven, Conn.; Research Work, Neuro-pathol., Harv.; Research Fellow Neuropathol., *ibid.*

FORT, JR., LYNN

B.S., Univ. of Ga., 1921; M.D., Emory Univ., 1925; Interne, Cincinnati Gen. Hosp., July, 1925-February, 1926; *Surg. H. O., P. B. B. H., March 1, 1926-July 1, 1927*; Asst. Res. Surg., Strong Mem. Hosp., Rochester, N. Y., 1927-28; in practice, Atlanta, Ga.

FOSTER, JOHN HESS

B.S., Colby, 1913; M.D., Univ. of Pa., 1917; *Med. H. O., P. B. B. H., July 1, 1917-June 15, 1918*; First Lieut., M. C., U. S. Army, 1918-19; Instr. in Med., Hunan-Yale Coll. of Med., Changsha,

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China; Vol. Asst., Thorndike Mem. Lab., B. C. H., 1923-24; Asst. in Med., Harv., 1924; Asst. Prof. in Med., Hunan-Yale Coll. of Med., Changsha, China; Assoc. Prof. of Med., *ibid.*, 1924-27; Attend. Phys., Waterbury Hosp.; in practice, Waterbury, Conn.

FOSTER, LEWIS CHANDLER

A.B., Univ. of Kansas, 1919; M.D., Harv., 1923; Substitute, Med. Serv., New York Hosp., two months, 1922; *Surg. H. O., P. B. B. H., July 1, 1923-November 1, 1924*; Asst. Res. Surg., New Haven Hosp., 1924-25; Res. Surg., *ibid.*, 1925-27; Instr. Surg., Yale Med. School, 1925-28; Asst. Clin. Prof. Surg., *ibid.*

FREEMAN, ALEX R.

M.D., Emory, 1929; Interne, Wesley Mem. Hosp., Atlanta, Ga., 1929-30; *Asst. Res. Phys., P. B. B. H., August 1, 1930-July 1, 1932*; Asst. Plantation Phys., Estates of Central Aguirre, Porto Rico, 1932-34; in practice, Albany, Ga.

FREMONT-SMITH, FRANK

M.D., Harv., 1921; *Pathol. H. O., P. B. B. H., July 1, 1921-July 1, 1922*; Med. H. O., B. C. H., 1922-23; Asst. in Neuropathol., Harv., 1923-24; Asst. in Neurol., M. G. H.; Asst. in Neuropathol., Harv., 1924-25 and 1925-26; John White Brown Scholar, Harv., 1924-25 and 1925-26; Jr. Visit. Phys., for Neurol., B. C. H., 1927-29; Research Fellow, Thorndike Mem. Lab., B. C. H., 1927-30; Asst. Vis. Phys. for Neurol., *ibid.*; in charge, Cerebrospinal Fluid Lab., B. C. H.; Asst. Prof. Neuropathol., Harv.; Chief of Neurol. Labs., B. C. H.; Assoc. in Psychiatry and in charge of Psychiatric Div., O. P. D., M. G. H., 1934-35; Director of Med. Div., Josiah Macy Jr. Foundation, New York.

FREMONT-SMITH, MAURICE

A.B., Harv., 1913; M.D., *ibid.*, 1918; *Surg. H. O., P. B. B. H., March 1, 1918-February 7, 1919*; in charge of hosp. at Sivas, Armenia, 1919-20; in practice, internal medicine, Boston.

FRIEDLANDER, RICHARD DUFFICY

A.B., Univ. Calif., 1926; A.M., *ibid.*, 1928; M.D., *ibid.*, 1930; Research Asst., George Williams Hooper Foundation for Med. Research, San Francisco, 1927; Interne, Univ. Calif. Hosp., 1930-31; Asst. Res. in Med., *ibid.*, 1931-32; Research Assoc., George Williams Hooper Foundation for Med. Research, 1931-32; *Asst. Res. Phys., P. B. B. H., 1932-34*; Res. in Med., Univ. Calif. Hosp., 1934-35; Instr. in Med., Univ. Calif. Med. Sch.; in practice, San Francisco, Calif.

FULTON, JOHN FARQUHAR

B.A., Oxon, 1923; M.A. and Ph.D., *ibid.*, 1925; M.D., Harv., 1927; Rhodes Scholar, Magdalen College, Oxford Univ., 1921-23; *Jr. Assoc. in Neurol. Surg., P. B. B. H., March-June, 1928*; Research Fellow, Magdalen College, Oxford, England, 1928-30; Sterling Prof. of Physiology, Yale Univ. Sch. of Med.

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GABE, WILLIAM EDWIN

M.D., Harv., 1918; *Surg. H. O., P. B. B. H.*, March 1, 1918-March 31, 1919; Instr. in Surg., Indiana Univ. Sch. of Med.; Visit. Staff in Gynecology, Indianapolis City Hosp.; Staff, Methodist Episcopal Hosp., and St. Vincent's Hosp., Indianapolis; in practice, Indianapolis, Ind.

GAISER, DAVID WESLEY

B.S., Whitman, 1924; M.D., Harv., 1931; *Surg. H. O., P. B. B. H.*, 1931-33; Pathol. H. O., New Haven Hosp., 1933-34; Asst. Res. Surg., *ibid.*, 1934-36; in practice, Spokane, Wash.

GERMAN, WILLIAM J.

A.B., Univ. Calif., 1922; M.A., *ibid.*, 1923; M.D., Harv., 1926; *Surg. H. O., P. B. B. H.*, July 1, 1926-November 1, 1927; Fellow in Plastic Surg., Johns Hopkins; Asst. in Surg., Yale Univ. School of Med., and Asst. Res. in Surg., New Haven Hosp., 1928-29; William Harvey Cushing Fellow in Surg., Yale Univ. School of Med., 1929-30; Instr. in Surg., *ibid.*, 1930-32; Res. in Surg., New Haven Hosp., 1930-31; Asst. Prof. Surg., Yale Univ.; Assoc. Surg., New Haven Hosp.

GIBSON, JOHN GRAHAM, II

A.B., Amherst, 1919; M.B.A., Harv., 1921; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H.*, July 1, 1932-November 1, 1933; Research Fellow in Med., Harv., 1933-34; *Asst. Res. Phys., P. B. B. H.*, 1934-35; Research Fellow in Med., Harv.

GILE, HAROLD H.

A.B., Princeton, 1915; M.D., Columbia (Coll. of Phys. and Surgs.), 1922; Surg. Interne, Presbyterian Hosp., New York, 1922-24; *Asst. Res. Surg., P. B. B. H.*, January 1-November 1, 1925; Asst. Visit. Urologist, Presbyterian Hosp., New York.

GLENDY, ROBERT EARLE

B.S., Va. Military Inst., 1925; M.D., Univ. of Va., 1931; *Med. H. O., P. B. B. H.*, 1931-33; Asst. Phys., Middlesex Co. San., 1933; Asst. Res. Phys., 1933-34, Dalton Scholar in Med., 1934-35, Research Fellow, Cardiac Lab., 1935-36, Mass. Gen. Hosp.; in practice, Boston.

GLENN, FRANK

M.D., Washington Univ., 1927; Med. Service, Strong Mem. Hosp., July, 1927-July, 1928; *Surg. H. O., P. B. B. H.*, January 1, 1929-May 1, 1930; *Asst. Res. Surg., ibid.*, May 1, 1930-April 15, 1931; *Interim Res. Surg., ibid.*, July 13, 1931-October 1, 1931; George Gorham Peters Trav. Fellow, 1931-32; First Asst. Res. Surg., N. Y. Hosp., 1932-33; Asst. in Surg., Cornell, 1932-33; Res. Surg., N. Y. Hosp., 1933-35; Instr. in Surg., Cornell Med. Coll., 1933-35; Asst. Attend. Surg., Research Fellow, N. Y. Hosp.; Instr. in Surg., Cornell Med. Coll., 1934-36; Asst. Attend. Surg., N. Y. Hosp.; Assoc. in Surg., Cornell Med. College.

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GOETSCH, EMIL

S.B., Univ. of Chicago, 1903; Ph.D., *ibid.*, 1906; Fellow Asst. and Assoc. in Anat., *ibid.*, 1904-08; Research Asst., Dept. of Exp. Therapeutics, *ibid.*, 1908-09; Rush Med. Coll., 1906-07; M.D., Johns Hopkins, 1909; Asst. in Surg., *ibid.*, 1909-10; Asst. Res. Surg., *ibid.*, 1910-12; *Res. Surg., P. B. B. H., September 1, 1912-September 1, 1915*; Asst. in Surg., Harv., 1912-15; Assoc. in Surg., Johns Hopkins, 1915-18; Assoc. Prof. of Surg., *ibid.*, 1918-19; Prof. of Surg. and Surg.-in-Chief, Long Island Coll. Hosp., Brooklyn, N. Y.; in practice, Brooklyn, New York.

GOLDEN, ROSS

A.B., Cornell (Mt. Vernon, Iowa), 1912; M.D., Harv., 1916; *Med. H. O., P. B. B. H., July 1, 1916-July 18, 1917*; Capt. and Major, M. C., U. S. Army, 1917-20; House Phys., X-ray Dept., M. G. H., 1920-21; *Asst. Res. Phys., P. B. B. H., July 1, 1921-April 15, 1922*; Director, Dept. of Radiology, Presbyterian Hosp., N. Y.; Prof. of Radiology, Columbia Univ.

GOODALL, HARRY WINFRED

A.B., Dart., 1898; M.D., Harv., 1902; House Pupil, M. G. H., 1902-03; House Pupil, Boston Lying-In Hosp., 1903; *Assoc. in Med., P. B. B. H., December 12, 1912-December 31, 1917*; Lieut. Col., M. C., U. S. Army, 1917-19; Instr. in Med., Harv. Grad. Sch. of Med.; Phys., Boston Dispensary; Asst. Visit. Phys., N. E. Baptist Hosp., Boston Dispensary, N. E. Baptist Hosp., N. E. Deaconess Hosp.; Chief, Med. Staff, Chelsea Mem. Hosp.; in practice, Boston. *Died, April 17, 1935.*

GOODPASTURE, ERNEST WILLIAM

A.B., Vanderbilt, 1907; M.D., Johns Hopkins, 1912; Rockefeller Fellow in Pathol., Johns Hopkins, 1912-14; Pathol., Union Protest. Infirmary, Baltimore, 1913-14; Asst. Res. Pathol., J. H. H., 1913-14; Act. Res. Pathol., *ibid.*, 1914-15; Instr. in Pathol., Johns Hopkins, 1914-15; *Res. Pathol., P. B. B. H., September 1, 1915-October 1, 1917*; Asst. Prof. Pathol., Harv.; Fellow in Pathol., Cancer Comm., *ibid.*; Lieut. (j. g.) M. C., U. S. N. R. F.; *Act. Pathol., P. B. B. H., February 1-August 15, 1920*; Chief, Dept. of Pathol. and Bacteriol., Univ. of Philippines, 1922; Pathol., Phil. Gen. Hosp., Manila, 1922; Director, William H. Singer Mem. Research Lab., Pittsburgh, 1922-24; Scholarship, Gen. Education Board of the Rockefeller Found. Inst. for Gen. and Exp. Pathol., Vienna, 1924-25; Prof. of Pathol., Vanderbilt Univ., Nashville, Tenn.

GORDON, BURGESS

A.B., Gonzaga Univ., 1912; M.D., Jefferson Med. Coll., 1919; Intern, Jefferson Hosp., 1919-21; *Asst. Res. Phys., P. B. B. H., September 15, 1921-August 1, 1922*; *Res. Phys., ibid., August 1, 1922-September 1, 1925*; Assoc. Prof. Med., Jefferson Med. Coll.; Asst. Phys., Pennsylvania Hosp.; Visit. Phys., White Haven San.; Consult. Phys., Frederick Douglass Hosp.; Med. Director and Phys. in

PETER BENT BRIGHAM HOSPITAL

charge, Dept. for Diseases of Chest, Jefferson Hosp., Philadelphia; in practice, Philadelphia, Pa.

GRAHAM, WILLIAM RANDOLPH

M.D., Med. Coll. of Va., 1925; Interne, Johnston-Willis Hosp., Richmond, Va., 1925-26; Jr. Assoc. in Med., P. B. B. H., 1926-27; in practice, Richmond, Va.

GRANT, SAMUEL BECKER

B.S., Washington Univ., 1918; M.D., *ibid.*, 1920; *Med. H. O., P. B. B. H., October 16, 1920-March 1, 1922*; Med. H. O., J. H. H., March 1, 1922-May 1, 1922; *Asst. Res. Phys., P. B. B. H., April 15, 1922-September 15, 1923*; Asst. in Clin. Med., Wash. Univ.; Asst. in Med., Barnes Hosp.; in practice, St. Louis, Mo.

GRAVES, EDWIN G.

A.B., Univ. of Texas, 1920; M.D., Harv., 1924; *Med. H. O., P. B. B. H., July 1, 1924-July 1, 1925*; Instr. Med. Nursing, Methodist Hosp., Houston, Texas; Visit. Phys., So. Pacific Hosp., Houston, Texas; in practice, Houston, Texas.

GRAVES, ROGER COLGATE

A.B., Syracuse Univ., 1913; M.D., *ibid.*, 1918; *Surg. H. O., P. B. B. H., August 15, 1918-October 19, 1919*; Asst. Res. Surg., New Haven Hosp., New Haven, Conn., 1919-20; *Asst. Res. Surg., P. B. B. H., July 15, 1920-August 1, 1921*; *Assoc. in Surg., ibid., September 1, 1921-April, 1923*; Cabot Fellow, Harv., in charge of Lab. of Surg. Research, September 1, 1921-September 1, 1922; Urologist, Carney Hosp.; Genito-Urinary Surg., Pondville State Hosp. for Cancer; Assoc. Consult. Urologist, Brockton Hosp.; Consult. Urol., Quiney Hosp.; Consult. Urol., Lakeville State San.; Consult. to the G. U. Dept. (Tumor Clinic), Boston Disp.; Assoc. Staff, Palmer Mem. Hosp.; in practice, Boston.

GRAY, CHARLES M.

A.B., Ohio Wesleyan Univ., 1926; M.D., Johns Hopkins, 1930; *Surg. H. O., P. B. B. H., January 1, 1931-May 1, 1932*.

GRAY, HORACE

A.B., Harv., 1909; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H., November 1, 1914-March 1, 1916*; Inst. for Juv. Research, Chicago, Ill., 1926-29; Clin. Prof. Med., Stanford Univ., San Francisco, Calif.

GREEN, GEORGE F.

B.S., Univ. of Mich., 1922; M.S. in Surg., Univ. of Minn., 1929; M.D., Univ. of Mich., 1924; Asst. in Physiol., *ibid.*; Asst. in Med., B. C. H., IV Med. Serv.; Jr. Assoc. in Pathol., P. B. B. H., *October 1, 1924-January 15, 1925*; Fellow in Surg., Mayo Foundation, 1925-29; Staff Surg., St. Joseph's Hosp. and Epworth Hosp., South Bend, Ind.; in practice, South Bend, Ind.

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GREENE, JAMES A.

M.D., Harv., 1925; *Med. H. O., P. B. B. H.*, November, 1925-March, 1926; in practice, Dallas, Texas, 1926-28; Instr. in Med., Univ. of Mich., 1928-30; Instr. of Int. Med., Univ. of Indiana, 1930-32; Assoc. in Med., Univ. of Iowa, 1933-35; Asst. Prof. Med., Univ. Iowa, Iowa City, Iowa.

GREENE, THEODORE C.

A.B., Harv., 1920; M.D., *ibid.*, 1924; Asst. in Pathol., Johns Hopkins, September, 1924-January, 1925; *Surg. H. O., P. B. B. H.*, March 1, 1925-July 1, 1926; Asst. in Clin. Neurol., Peiping Union Med. Coll., September 15, 1929-May 15, 1930; Surg., Douw Hosp., Presbyterian Mission, Peiping, China.

GREENSPON, EDWARD A.

M.D., McGill Univ., 1916; House Bacteriol., Royal Victoria Hosp., Montreal, 1916-17; Asst. Res. Pathol., Johns Hopkins, 1917-18; Capt., Canadian Army Med. Corps; *Res. Pathol., P. B. B. H.*, October 1, 1919-April 1, 1920; *Med. H. O., ibid.*, April 1, 1920-July 1, 1921; May Fellow in Med. Research, Johns Hopkins; Asst. in Med., *ibid.*, 1921-23; Jr. Attend. Phys., Montreal Gen. Hosp.; in practice, Montreal, P. Q., Canada.

GREY, ERNEST

A.B., Univ. of Wis., 1907; Asst. in Anat., *ibid.*, 1907-08; Stud. in Med., *ibid.*, 1907-08; M.D., Johns Hopkins, 1911; Res. H. O., *ibid.*, 1911-12; *Surg. H. O., P. B. B. H.*, November 1, 1912-February 12, 1914; Asst. Res. Surg., *ibid.*, February 12, 1914-September 1, 1916; Asst. in Surg., Harv., 1915-16; Instr. in Surg., Johns Hopkins. Died October 12, 1918.

HAHN, RICHARD G.

B.S., Lafayette; M.D., Harv., 1928; *Med. H. O., P. B. B. H.*, March 1, 1929-July 1, 1930; Asst. Res. Phys., *ibid.*, July 1, 1930-September 1, 1931; Res. Phys., *ibid.*, September 1, 1931-September 1, 1933; Fellow in Pathol., Cornell Univ., 1933-34; Member, Rockefeller Foundation Investigating Tuberculosis, Clin. and Epidemiological, New York City.

HAIGHT, CAMERON

A.B., Univ. of Calif., 1923; M.D., Harv., 1926; *Surg. H. O., P. B. B. H.*, November 1, 1926-March 1, 1928; Asst. Res. Surg., New Haven Hosp., 1928-31; Instr. in Surg., Univ. of Mich., 1931-34; Asst. Prof. Surg., *ibid.*

HALE, WORTH

A.B., Univ. of Mich., 1908; M.D., *ibid.*, 1904; Assoc. in Med., *P. B. B. H.*, November 1, 1917-December 31, 1918; Assoc. Prof. of Pharm. and Asst. Dean, Harv.

HALL, FRANCIS C.

Litt.B., Princeton, 1913; M.D., Harv., 1917; H. O., M. G. H., 1918; M. C., U. S. Army, 1918-19; Asst. Visit. Phys. and Visit. Phys. to

PETER BENT BRIGHAM HOSPITAL

O. P. D., M. G. H., 1920-22; *Assoc. in Med.*, *P. B. B. H.*, April 14, 1921-September 24, 1931; Research Fellow, Thorndike Mem., B. C. H.; Jr. Visit. Phys., *ibid.*; Asst. in Med., Harv.; in practice, Boston, Mass.

HALLARAN, WILLIAM RICHARD

B.S., College of Wooster, Wooster, Ohio, 1925; M.D., Western Reserve, 1932; *Med. H. O.*, *P. B. B. H.*, July 1, 1932-November 1, 1933; Asst. Res. in Med., Lakeside, 1933-35; Demonst. in Med., Western Reserve; Asst. Phys., Disp., Lakeside Hosp.; in practice, Cleveland, Ohio.

HALLER, DAVID ALEXANDER

A.B., Hampden-Sidney, 1908; M.D., Columbia, 1913; *Med. H. O.*, *P. B. B. H.*, November 1, 1913-March 1, 1915; Asst. Res. Phys., *ibid.*, March 1, 1915-October 1, 1916; Res. Phys., *ibid.*, October 1, 1916-June 6, 1917; Major, M. C., U. S. Army, 1917-19; Junior Attend. Phys., Hahnemann Hosp., 1920-21; Internist for the Rochester Clinic, Rochester, N. Y., 1919-25; Asst. Phys., Rochester Gen. Hosp.; Phys. to Baden St. Disp., 1924-25; Instr. in Med., Univ. of Rochester Med. Sch., 1926-29; Asst. Prof. of Med., *ibid.*; Asst. Phys., Strong Mem. Hosp., Rochester, N. Y.; Chief, Med. Serv., Rochester Gen. Hosp.; in practice, Rochester, N. Y.

HAMILTON, C. CARTER

M.D., Univ. Iowa, 1923; Rotating Interne, Miller Hosp., St. Paul, 1923-24; General practice, Iowa, 1924-32; *H. O.*, *Roent.*, *P. B. B. H.*, 1932-33; Asst. Res. in *Roent.*, *ibid.*, 1933-34; Roentgenologist, Memorial Hosp., Albany, N. Y.

HANSMANN, GEORGE H.

M.D., Univ. of Iowa, 1918; Hosp. Chem., Iowa Univ. Hosp., 1918-19; Clin. Asst., Dept. of Internal Med., *ibid.*, 1919-20; Lect. in Clin. Microscopy, *ibid.*, 1920-21; *Res. Pathol.*, *P. B. B. H.*, September 15, 1921-September 15, 1923; Pathol., Iowa Univ. Hosp.

HARBIN, MAXWELL

B.S., Univ. of Georgia, 1916; M.D., Harv., 1920; *Surg. H. O.*, *P. B. B. H.*, November 1, 1920-March 1, 1922; H. O., Children's Hosp., 1922-23; Surg., Harbin Hosp., 1923-25; Assoc. in Orthopedic Surg., Lakeside Hosp.; Surg. in Charge, Rainbow Hosp.; Asst. Prof. Orthopedic Surg., Western Reserve Univ. School of Med.

HARBIN, JR., ROBERT MAXWELL

B.S., Univ. of Ga., 1925; M.D., Emory Univ. Med. School, 1928; *Surg. H. O.*, *P. B. B. H.*, July 1, 1928-November 1, 1929; in practice, Rome, Ga.

HARRISON, TINSLEY RANDOLPH

A.B., Univ. of Mich., 1919; M.D., Johns Hopkins, 1922; *Med. H. O.*, *P. B. B. H.*, November 1, 1922-March 1, 1924; Asst. Res. Phys., *ibid.*, March 1-September 1, 1924; Asst. in Med., Johns Hopkins, 1925-26;

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Res. Phys., Vanderbilt Univ. Hosp., Nashville, Tenn., 1926-27; Instr. in Med., Vanderbilt Univ., 1926-27 (leave of absence, 1927-28); Asst. Prof. Med., *ibid.*, 1928-32; Assoc. Prof. of Med., *ibid.*

HARRISON, JR., WILLIAM GROCE

A.B., Univ. of Mich., 1924; M.D., Johns Hopkins, 1928; *Med. H. O., P. B. B. H., March 1, 1929-July 1, 1930*; Asst. Res. Phys., Vanderbilt Univ. Hosp., 1930-32; in practice, Birmingham, Ala.

HARVEY, SAMUEL CLARK

Ph.B., Yale, 1907; M.D., *ibid.*, 1911; Sc.D., Western Reserve, 1931; Alonzo Clark Fellow, Columbia, 1911-12; Instr. in Pathol., *ibid.*, 1912-13; Asst. Res. Phys., Loomis Sanitarium, Loomis, N. Y., 1913-14; *Surg. H. O., P. B. B. H., November 1, 1914-November 1, 1915*; Arthur Tracy Cabot Fellow, in charge of Lab. of Surg. Research, Harv., 1915-16; *Asst. Res. Surg., P. B. B. H., November 1, 1916-May 7, 1917*; Major, M. C., U. S. Army, 1917-19; Res. Surg., New Haven Hosp.; Instr. in Surg., Yale, 1919-20; Asst. Prof. of Surg., *ibid.*, 1920-21; Assoc. Prof. of Surg., *ibid.*, 1921-23; Consult. Surg., State of Conn. Tbc. Comm.; Surgeon-in-Chief, New Haven Hosp. and New Haven Disp.; Prof. of Surg., Yale.

HASS, GEORGE MARVIN

M.D., Harv., 1929; *Pathol. H. O., P. B. B. H., January 1, 1930-January 1, 1931*; Asst. Res. Pathol., Children's Hosp., January-September, 1931; Res. Pathol., *ibid.*, 1931-32; Instr. in Pathol., Harv.; *Res. Pathol., P. B. B. H., 1932-34*; Society of Fellows, Harv., 1934-37.

HATCH, FLOYD FROST

A.B., Univ. of Utah, 1912; M.D., Harv., 1914; *Med. H. O., P. B. B. H., March 1, 1914-January 4, 1915* (granted leave of absence from *January 4-February 28, 1915*); Surg. House Pupil, M. G. H., 1915-16; House Surg., *ibid.*, 1916-17; Surg. to G. U. Dept., Salt Lake County Hosp., 1917-18; Surg. to G. U. Dept., L. D. S., Hosp., Salt Lake City, Utah; First Lieut., M. C., U. S. Army, 1918-19; Asst. County Phys., Salt Lake County Hosp., and Asst. Visit. Surg., *ibid.*, 1921-22; Post-Grad. Study of Surg., Europe, 1926-27; Sr. Visit. Surg., Latter Day Saints' Hosp.; Surg., Inter-Mountain Clin.; in practice, Salt Lake City, Utah.

H'DOUBLER, FRANCIS TODD

B.A., Univ. of Wis., 1907; M.A., *ibid.*, 1908; Ph.D., *ibid.*, 1910; Stud., Univ. of Wis. Med. Sch., one year; Stud., Rush Med. Sch. and Univ. of Philippines, one year; M.D., Harv., 1915; H. O., Augustana Hosp., Chicago, 1915-16; *Med. H. O., P. B. B. H., January 11, 1916-March 1, 1917*; H. O., Augustana Hosp., 1917-18; First Lieut. and Capt., M. C., U. S. Army, 1918-19; Moseley Travelling Fellow, Harv., 1919-20; Lakeside Hosp., Cleveland, Ohio, 1921; Instr. in Pathol. and Surg., Univ. of Ill., 1921-24; Jr. Attend. Surg., Augustana Hosp., Chicago, 1922-23; in practice, Chicago, 1922-23; Attend. Surg., St. John's, Burge Deaconess and Springfield Baptist Hospitals; in practice, Springfield, Mo.

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HEAD, JEROME R.

M.D., Harv., 1922; *Surg. H. O., P. B. B. H.*, July 1, 1922-November 1, 1923; Surg. Pathol., Mayo Clin., Rochester, Minn., 1924; Res. Surg., State of Wis. Gen. Hosp., Madison, 1924-26; Assoc. in Surg., Northwestern Univ.; in practice, Chicago, Ill.

HENDERSON, WILLIAM ROBERT

M.B., Ch.B., Edinburgh, 1926; House Surg., Royal Infirmary, Edinburgh, 1926-27; House Surg., Sick Children's Hosp., Edinburgh, 1927; Rockefeller Fellow, British Research Council; *Asst. Res. Surg., P. B. B. H.*, May 1, 1930-March 15, 1931; Clin. Asst. in Neuro-Surgery, Edinburgh Royal Infirm., 1931-33; House Surgeon, National Hosp., London.

HERRICK, THEODORE POMEROY

A.B., Yale, 1915; M.D., Harv., 1919; *Med. H. O., P. B. B. H.*, December 26, 1918-January 1, 1920; Med. H. O., Children's Hosp., Boston, 1920; H. O., Infants' Hosp., Boston, 1921; Res. Pediatrician, Rainbow Hosp., Cleveland, Ohio, 1921-24; Asst. Visit. Pediatrician, St. Vincent's Charity Hosp., Cleveland, Ohio, 1921-28; Asst. Visit. Pediatrician, St. Luke's Hosp., Cleveland, Ohio, 1922-23, and since 1928; Licentiate, Am. Bd. Pediatrics, 1936; in practice, Cleveland, Ohio.

HERRING, JAMES B.

M.D., Univ. of Pa., 1922; Interne, Southern Pacific Hosp., 1922-23; Private practice, San Francisco, 1923-30; *Asst. Res. Surg., P. B. B. H.*, September 1, 1931-September 1, 1932; Member of Staff, St. Luke's Hosp., San Francisco.

HERRMANN, GEORGE R.

B.S., Univ. of Mich., 1916; M.D., M.S., *ibid.*, 1918; Ph.D., *ibid.*, 1922; *Med. H. O., P. B. B. H.*, October 1, 1918-October 1, 1919; Asst. Res. Phys., Barnes Hosp., 1919-20; Res. Phys., *ibid.*, and Asst. in Med., Wash. Univ., St. Louis, 1920-21; Instr. in Med., Univ. of Mich., and Asst. Prof. Med., *ibid.*, 1921-25; Asst. Prof. of Med. and Assoc. Prof. of Med., Tulane Univ., New Orleans, La., 1928-31; Visit. Phys. and Director, Heart Station, Charity Hosp., New Orleans, 1928-31; Prof. of Clin. Med., Univ. of Texas, Galveston, Texas; in practice, Galveston, Tex.

HERRMANN, LOUIS G.

A.B., Univ. of Mich., 1920; M.D., Wash. Univ. Med. Sch., 1924; Interne, Maryland Gen. Hosp., Baltimore, July 1, 1924-March 1, 1925; *Med. H. O., P. B. B. H.*, March 1, 1925-July 1, 1926; Asst. Res. Surg., Lakeside Hosp., Cleveland, Ohio, 1926-27; Crile Research Fellow in Surg. and Director, Lab. of Surg. Research, Western Reserve Univ. and Lakeside Hosp., 1927-28; Res. Surg., Lakeside Hosp.; Instr. in Surg., Western Reserve Univ., 1929-30; Asst., Clinique Chirurgicale A (Prof. Leriche) Univ. de Strasbourg, Strasbourg, France, 1930-31; Asst. Chirurgische Universitats Klinik (Prof. P. Clairmont) Univ. of Zurich, Switzerland, 1931-32; Asst. Prof. of Surg., Univ. of Cincinnati.

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HERTIG, ARTHUR T.

B.S., Univ. of Minn., 1928; M.D., Harv., 1930; *Pathol. H. O., P. B. B. H.*, July 1, 1930-July 1, 1931; Pathol., B. L. I., 1931-32; Res. Pathol., Children's Hosp., 1932-33; National Research Fellow, Carnegie Lab. of Embryology, 1933-34; Asst. Pathol., B. L. I., 1934-36; H. O., *ibid.*, 1936-37.

HIGBEE, DANIEL RIGGS

A.B., Col. Coll., 1920; M.D., Harv., 1923; Med. H. O., M. G. H., March, 1924-November, 1925; *Surg. H. O., P. B. B. H.*, November 1, 1925-March 1, 1927; in practice, Denver, Colo.

HJORT, AXEL MAGNUS

A.B., Univ. of Ill., 1914; M.S., *ibid.*, 1915; Ph.D., Yale, 1918; M.D., Yale Univ. Med. Sch., 1921; *Med. H. O., P. B. B. H.*, July 1, 1921-November 1, 1922; Parke Davis & Co., Detroit, Mich., 1923-26; Prof. Pharmacology, Dart. Med. Sch., Hanover, N. H., 1926-29; Toxicologist and Asst. Director of Med. Research, Med. Research Div., Chemical Warfare Service, Edgewood Arsenal, Edgewood, Md., 1929-32; Physiologist, Exp. Research Labs., Burroughs Wellcome Co., Tuckahoe, N. Y.

HODGSON, JOHN SPRAGUE

Ph.B., Brown, 1911; M.D., Harv., 1917; Surg. House Pupil, M. G. H., 1915-16; Res. Surg., *ibid.*, 1916; *Surg. H. O., P. B. B. H.*, November 1, 1916-March 1, 1917; Asst. Res. Surg., *ibid.*, March 1-June 22, 1917; First Lieut., M. C., U. S. Army, 1917-19; Typhus Work in Macedonia, 1919; Res. Surg., M. G. H., 1920; Second in Neurol. Surg., M. G. H.; Asst. Visit. Surg., *ibid.*

HOEN, THOMAS I.

A.B., Johns Hopkins, 1924; M.D., *ibid.*, 1928; Fellow in Surg., *ibid.*; *Surg. H. O., P. B. B. H.*, April 1, 1929-August 1, 1930; Asst. Res., Surg., *ibid.*, October 1, 1930-September 7, 1931; Res., Neuro-Surg., Royal Victoria Hosp.; Neuro-Surg., St. Luke's Hosp., Montreal.

HOLMAN, EMILE

A.B., Stanford Univ., 1911; Univ. of Oxford, 1916; Med. Stud., Oxford Univ., Royal College of Surgeons, Edinburgh, Rotunda Hosp., Dublin, National Hosp., London, 1914-17; M.D., Johns Hopkins, 1918; Res. Med. Officer, Children's Hosp. Sch., 1918-19; Asst. Res. Surg., J. H. H., 1919-21; Res. Surg., *ibid.*, 1921-23; Instr. in Surg., J. H. M. S., 1920-23; Asst. Res. Surg., *P. B. B. H.*, July 15-September 1, 1923; Res. Surg., *ibid.*, September 1, 1923-July 1, 1924; Austin Teach. Fellow, Harv., 1923-24; Attend. Surg., Lakeside Hosp. and Asst. Prof. of Surg., Western Reserve Univ., Cleveland, Ohio, July, 1924-December, 1925; Assoc. Prof. Surg., Stanford Univ. Med. Sch., 1925-26; Attend. Surg., Stanford Univ. Hosp., San Francisco; Prof. of Surg., Exec. Head, Dept. of Surg., Stanford Univ. Med. School; Visit. Surg., Peiping Union Med. Coll., Peiping, China, September-December, 1930.

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HORRAX, GILBERT

A.B., Williams, 1909; M.D., Johns Hopkins, 1913; *Surg. H. O., P. B. B. H., July 1, 1913-November 1, 1914*; Arthur Tracy Cabot Fellow in charge of Lab. of Surg. Research, Harv., 1914-15; *Asst. Res. Surg., P. B. B. H., 1915-16*; Res. Surg., M. G. H., 1916-17; Major, M. C., U. S. Army, 1917-19; Asst. Prof. of Surg., and Secretary, Dept. of Surg., Harv., 1925-32; Consult. Neurol. Surg., Children's Hosp., Boston, 1926-31; Consult. Neurol. Surg., N. E. Deaconess Hosp., 1926-32; *Assoc. in Neurol. Surg., P. B. B. H., October, 1919-March, 1928*; Sr. Assoc. in Neurol. Surg., *ibid.*, 1928-32; in charge of Neuro-Surgery, The Lahey Clinic, Boston.

HORSFALL, JR., FRANK L.

A.B., Univ. Wash., 1927; M.D., C. M., McGill, 1932; *Pathol. H. O., P. B. B. H., 1932-33*; Res. Phys., Royal Victoria Hosp., 1933-34; Asst. Res. Phys., Rockefeller Inst. Hosp., 1934-36; Res. Phys., *ibid.*

HOUCK, GEORGE H.

A.B., Univ. of Oregon, 1923; M.D., Harv., 1927; *Med. H. O., P. B. B. H., November 1, 1927-March, 1929*; Asst. Res. in Med., Lane Hospital and Stanford Univ. Med. Sch., 1929-30; Visit. Phys. in charge of Med. O. P. D., Univ. of Calif. Hosp.; Asst., Dept. of Med., Univ. of Calif. Med. Sch., San Francisco, Calif., 1930-31; Jr. Visit. Phys., Los Angeles General Hosp.; Assoc. Staff, St. Vincent's Hosp., Los Angeles, 1931-32; Exec. Staff, *ibid.*, 1933; Instr., Dept. of Med., Univ. of So. Calif., Los Angeles, 1933-36; Asst. Prof., *ibid.*; in practice, Los Angeles, Calif.

HOUGHTON, JOHN D.

A.B., Harv., 1927; M.D., *ibid.*, 1932; *Pathol. H. O., P. B. B. H., January-July, 1932*; Res. Pathol., B. C. H., February 14-August 14, 1933; Third Asst. Pathol., *ibid.*

HOUSTON, JR., DAVID WALKER

A.B., Princeton, 1912; M.D., Harv., 1916; *Surg. H. O., P. B. B. H., July 1, 1916-November 1, 1917*; *Asst. Res. Surg., ibid., November 1, 1917-February 8, 1918*; First Lieut., M. C., U. S. Army, 1918-19; Attend. Surg., Samaritan Hosp., Troy, N. Y.; in practice, Troy, N. Y.

HOWARD, HERBERT BURR

A.B., Harv., 1881; M.D., *ibid.*, 1884; Asst. Phys., State Infirmary, Tewksbury, Mass., 1884-85; in practice, Idaho Springs, Colo., 1885-87; Asst. Phys., State Infirmary, 1887-91; Supt., *ibid.*, 1891-97; Res. Phys., M. G. H., 1897-1908; *Supt., P. B. B. H., May 1, 1908-May 1, 1919 (retired—age limit)*; Mem., Mass. State Bd. of Insanity, 1893-1913 (Chairman, 1908-13); Pres., American Hosp. Assoc., 1909-10; Trustee, State Colony for the Insane, Gardner, Mass. Died March 6, 1923.

HOWARD, LAWRENCE

M.D., Wash. Univ., 1928; Surg. Interne, Barnes Hosp., 1928-29; Surg. Pathol. Work, Cleveland Clinic, 1929-30; Fellow in Surg., *ibid.*

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1930-32; *Fellow in Urol., P. B. B. H., August 1, 1932-June 11, 1933;* in practice, Great Falls, Mont.

HUDSON, RICHARD T.

B.S., Univ. of Louisville, 1920; M.D., *ibid.*, 1924; one year rotating internship, Louisville City Hosp.; Asst. Res. Surg., Louisville City Hosp.; *H. O., Roentgenology, P. B. B. H., August 1-October 12, 1926*; Gen. Practice, Oldham Co., Ky., 1926-28; Clin. Asst. Orthopedic Surg., Louisville City Hosp., 1928-31; Member of Staff at Following Hospitals: Louisville City, Kentucky Baptist, St. Joseph's, Norton Mem. Infirm., Crippled Children's, Masonic Widows and Orphans Home; Member, Professional Advisory Comm., Kentucky Crippled Children's Commission; Res., Orthopedic Surg., Hosp. for Relief of Ruptured and Crippled, N. Y.; in practice, Louisville, Ky.

HUGGINS, HARRISON D.

Univ. of Oregon Med. School, two years; M.D., Harv., 1926; Substitute H. O., House of Good Samaritan; *Med. H. O., P. B. B. H., November 1, 1926-March 1, 1928*; six months post-grad. work, Vienna, Austria; Clin. Instr. in Otolaryngology and Ophthalmology, Univ. of Oregon; Member of Staff, Multnomah Co. Hosp.; in practice, Hillsboro, Ore.

HUMISTON, HOMER W.

B.S., Univ. of Ill., 1923; M.D., Harv., 1925; *Med. H. O., P. B. B. H., July 1, 1925-November 1, 1926*; Fellow in Surg., Mayo Clin., Rochester, Minn., 1926-29; Clin. Asst. in Urol., Northwestern Univ.; in practice (Urology), Chicago, Ill.

HUMPHREYS, STORER P.

B.A., Norwich Univ., Northfield, Vt., 1928; M.D., Yale, 1932; *Surg. H. O., P. B. B. H., March 1, 1933-July 1, 1934*.

HURWITZ, SAMUEL HAYMANN

A.B., Harv., 1907; A.M., *ibid.*, 1908; Special Stud., Univ. of Strassburg, Germany, 1909-10; Spec. Student, Inst. of Infectious Diseases, Berlin, Germany, summer of 1911; M.D., Johns Hopkins, 1912; Res. H. O., J. H. H., 1912-13; *Surg. H. O., P. B. B. H., November 1, 1913-March 1, 1915*; Instr. in Research Med., Univ. of Calif., 1915-17; Asst. Clin. Prof. of Med., *ibid.*, 1917-26; Assoc. Clin. Prof. of Med., Stanford Univ. Med. School.

HYDER, PRENTISS L.

A.B., Univ. of Texas, 1929; M.D., Harv., 1933; *Surg. H. O., P. B. B. H., March 1, 1934-July 1, 1935*.

ILFELD, FREDERIC WILLIAM

A.B., Harv., 1928; M.D., *ibid.*, 1932; *Pathol. H. O., P. B. B. H., July 1, 1932-January 1, 1933*; Rotating and Surg. H. O., Lakeside Hosp.

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INGALLS, THEODORE H.

A.B., Hamilton Coll., 1929; M.D., Harv., 1933; *Med. H. O., P. B. B. H., February 15, 1934-July 1, 1935*; William Hunter Workman Fellow, Harv., and Children's Hosp., 1935-37.

INGRAHAM, FRANC DOUGLAS

A.B., Harv., 1922; M.D., *ibid.*, 1925; *Surg. H. O., P. B. B. H., July 1, 1925-November 1, 1926*; Fellow in Surg., Johns Hopkins Univ., November 1, 1926-September 1, 1927; Asst. Res. Surg., *P. B. B. H., September, 1927-September, 1928*; Res. Surg., *ibid., September-October, 1928*; *P. B. B. H. Traveling Fellow in Surg., 1928*; Neurol. Surg., Children's Hosp., Boston; Asst. in Surg., Harv.

JACK, EDWIN EVERETT

A.B., Harv., 1884; M.D., *ibid.*, 1887; *Act. Consult. Ophthalmologist, P. B. B. H., 1919-31*; Consult. Ophthalmologist, Mass. Eye and Ear Infirmary.

JACK, WILLIAM DAVID

A.B., Creighton, 1908; Grad. Stud., Univ. of Chicago, 1909-10; M.D., Johns Hopkins, 1914; *Surg. H. O., P. B. B. H., July 1, 1914-November 1, 1915*; Capt. and Asst. Surg., Second Harv. Unit, B. E. F., France, 1915-16; Asst. Res. Urologist, J. H. H., 1916-17; Capt., M. C., U. S. Army and Consult. Urologist, A. E. F., 1917-19; Asst. Res. Surg., and Res. Urol., J. H. H., 1919-21; in practice, Chicago, Ill.

JACKSON, HOWARD BURR

A.B., Harv., 1915; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H., March 15, 1919-April 1, 1920*; H. O., Surg. and Obstet. Services, Mass. Memorial Hosps., 1920; Asst. Phys. to Out-Patients, M. G. H.; Phys., Faulkner Hosp.; in practice, Jamaica Plain, Mass.

JACKSON, HOWARD C.

A.B., Univ. Mich., 1929; M.D., Harv., 1933; *Med. H. O., P. B. B. H., June 15, 1933-November 1, 1934*; Interne in Pathol., Cleveland City Hosp., 1934-35 and Univ. Hospitals, Cleveland, 1935-36; Asst. Res. Surg., Univ. of Mich. Hosp., Ann Arbor, Mich.

JACKSON, HOWARD L.

M.D., Tufts, 1918; Interne, Springfield Hosp.; in practice, Springfield, Mass.; *H. O., Roent., P. B. B. H., October 1, 1929-July 1, 1930*.

JACOBSON, VICTOR CLARENCE

B.S., Univ. of Wis., 1915; M.D., Harv., 1917; *Med. H. O., P. B. B. H., July 18, 1917-July 1, 1918*; First Lieut., M. C., U. S. Army, 1918; *Pathol. H. O., P. B. B. H., January 1-July 1, 1919*; Res. Pathol., *ibid., July 1-October 1, 1919*; Asst. Prof. of Pathol., Univ. of Wisconsin, 1919-20; *Res. Pathol., P. B. B. H., July 1, 1920-September 1, 1921*; Instr. in Pathol., Harv., 1920-21; Pathol., Albany Hosp. and Troy Hosp.; Cyrus Strong Merrill Prof. of Pathol., Union Univ., Albany, N. Y., 1921-34; Member, Nat. Research Council, Med. Div.,

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1930-33; Research, Pasteur Inst., Paris, under Prof. C. Levaditi, 1931; Attend. Phys., and Pathol., Samaritan Hosp., Troy, N. Y.; Pathol., Mary McClellan Hosp., Cambridge, N. Y.; in practice, Troy, N. Y.

JACOBSON, CONRAD

B.S., Beloit, 1900; Grad. Stud., three summer qrs., Univ. of Chicago; Asst. Prof. of Chem. and Bacteriol., Armour Inst. of Tech., 1903-05; Research Asst. in Pathol., Univ. of Chicago, 1907-08; M.D., Johns Hopkins, 1911; Asst. in Surg., Hunterian Lab., *ibid.*, 1911-12; *Asst. Res. Surg., P. B. B. H., September 1, 1912-September 1, 1915; Res. Surg., ibid., September 1, 1915-July 1, 1920*; Asst. in Surg., Harv.; Assoc. Prof. of Surg., Univ. of Minn. Med. Sch., 1920-22; in practice, Seattle, Wash.

JAMESON, CHARLES HAROLD

A.B., Harv., 1916; M.D., *ibid.*, 1919; *Surg. H. O., P. B. B. H., June 15, 1919-November 1, 1920*; Free Hosp. for Women, Brookline, 1920-21; *Asst. Res. Surg., P. B. B. H., February 14-June 15, 1921; Asst. Res. Surg., ibid., September 15, 1921-June 21, 1922*; in practice, Rockland, Me.

JANNEY, JAMES CRAIK

A.B., Harv., 1911; M.D., *ibid.*, 1915; *Surg. H. O., P. B. B. H., July 1, 1915-November 1, 1916*; Major, M. C., U. S. Army; H. O., Boston Lying-In Hosp., 1923; Fellow, Am. Coll. Surgs., 1926; First Asst. Obstetrician, Mass. Memorial Hosp.; Asst. Prof. Gynaecology and Instr. in Obstetrics, Boston Univ. Sch. of Med.; in practice, Boston.

JOELSON, JAMES J.

M.D., Columbia, 1920; Surg. Interne, Presbyterian Hosp., New York, 1920-22; *Asst. Res. Surg., P. B. B. H., July 15, 1922-July 26, 1923*; Asst. Res. Surg., New Haven Hosp., and Instr. in Surg., Yale, 1923-24; Asst. Res. Surg. (G. U. Surg.) Lakeside Hosp., 1924-25; Demonstr. in G. U. Surg., Western Reserve Univ., Cleveland, Ohio, 1924-25; Instr. in G. U. Surg., *ibid.*, 1925-27; Clin. Instr., G. U. Surg., *ibid.*, 1927-28; Asst. G. U. Surg., Lakeside Hosp., 1926-28; Assoc. G. U. Surg., *ibid.*; Asst. Prof. G. U. Surg., Western Reserve Univ.

JONES, MERRITT LACOUNT

S.B., Univ. of Wis., 1912; M.D., Harv., 1915; *Surg. H. O., P. B. B. H., July 1, 1915-November 1, 1916; Asst. Res. Surg., ibid., November 1, 1916-March 1, 1917*; Capt., M. C., U. S. Army, 1917-19; in practice, Wausau, Wis.

JONES, WILFRED GRANT

B.S., College of Wooster, Wooster, Ohio, 1921; M.D., Harv., 1924; *Med. H. O., P. B. B. H., May 15, 1924-March 1, 1925*; Missionary work, Miraj, India; Instr. in Med., Miraj Christian Med. Sch.; Med. Supt., Wanless Tbc. San., Miraj, India.

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KANE, JOHN W.

B.S., Univ. of Notre Dame, 1926; M.D., Harv., 1930; *Surg. H. O., P. B. B. H., April 1, 1931-August 1, 1932*; Assoc. Res. Surg. (Neuro-Surg.), 1932-33; Asst. Res. Surg., 1933-34; Res. Surg., 1934-35; Strong Mem. Hosp., Rochester, N. Y.; in practice, Binghamton, N. Y.

KAZANJIAN, VARAZTAD H.

D.M.D., Harv., 1905; M.D., *ibid.*, 1921; F.A.C.S., 1928; Mem. Harv. Unit, B. E. F., 1915-16; Surg. Specialist for Wounds of Jaws and Face, B. E. F., 1916-19; C. M. G.; *Dental Surg., P. B. B. H., January 22, 1920-December, 1922*; Prof. of Clin. Oral Surg., Harv.; Visit. Surg., Oral and Plastic Surg., B. C. H.; Surg. for Plastic Operations, Mass. Eye and Ear Infir.; Consult. Oral Surg., Camb. Hosp.; Mem. of Staff, Consult. Surgeons, Newport Hosp., Newport, R. I.; Attend. Specialist, U. S. P. H. S.; Asst. Laryngologist, Huntington Mem. Hosp.; Visit. Surg., M. G. H.; Consult. in Oral Surg., Palmer Mem. Hosp.; Member of Staff, N. E. Deaconess Hosp.; Member, Consult. Staff, Beth Israel Hosp.; in practice, Boston.

KEBABJIAN, HRANT SETRAG

A.B., Anatolia Coll. (Armenia), 1913; M.D., Harv., 1918; Admitting Phys., Babies' Ward, Post Grad. Hosp., New York, 1918; *Surg. H. O., P. B. B. H., November 15, 1918-March 1, 1920*; City Phys., Buffalo, N. Y., 1920-21; Director, Comm. on Hosps. in Cilicia, 1921-22; Asst. Res., Long Island Hosp., Boston Harbor, 1922-26. *Deceased.*

KEEGAN, JOHN JAY

A.B., Univ. of Neb., 1912; A.M., *ibid.*, 1914; M.D., *ibid.*, 1915; Instr. in Anat., *ibid.*, 1915-17; *Pathol. H. O., P. B. B. H., June 15, 1917-December 15, 1917*; Lieut., M. C., U. S. Navy, 1917-19; *Surg. H. O., P. B. B. H., August 13, 1919-November 1, 1920*; Asst. Prof. of Pathol., Univ. of Neb., 1920-23; Prof. Clin. Pathol., Director of Clinics, Sec. of the Faculty, *ibid.*, 1923; Neuro-Surg., Univ. Hosp.; Dean, Coll. of Med., Univ. of Nebraska, 1925-29; Chairman, Dept. of Surg., *ibid.*; Prof. Neuro-Surg., *ibid.*; in practice, Omaha, Neb.

KENNEDY, W. ROLAND

B.Sc., McGill, 1922; M.D., C.M., *ibid.*, 1925; Interne, rotating service, Montreal Gen. Hosp., 1925-26; Pathol. service, *ibid.*, 1926; Sr. in Med., *ibid.*, 1927-28; Asst. Res. Phys., *P. B. B. H., September 1, 1928-July 1, 1929*; Assoc. in Med., Montreal Gen. Hosp.; Demonstr. in Med., McGill Univ.; in practice, Montreal, Canada.

KENT, HAROLD A.

H.D.S., 1919; Assoc. to Doctor Miner, Prof. of Oral Surg. and Dean, H.D.S.; *Dental Surg., P. B. B. H., 1922-29*; Dental Surg., Forsyth Dental Infirmary; Asst. Prof., Oral Surg., H.D.S.; Dental Surg., George F. Baker Clin. and N. E. Deaconess Hosp.; Consult. Dental Surg., *P. B. B. H., 1929-33*.

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KEYSER, LINWOOD DICKENS

B.A., Virginia, 1914; M.D., Johns Hopkins, 1918; F.A.C.S., 1928; H. O., J. H. H., 1918-19; *Asst. Res. Surg., P. B. B. H., July 1-November 1, 1919*; Res. Surg., New York Post Grad. Hosp., New York City, 1920; Fellow, Mayo Foundation, Rochester, Minn., 1920-23; M.S., Mayo Foundation; Univ. of Minn. Grad. Sch. in Med., 1921; Attend. Surg. and Surg. Pathol., Roanoke Hosp., Roanoke, Va.

KING, DONALD STORRS

A.B., Oberlin, 1912; M.D., Harv., 1918; H.O., Orthopedic Serv., Children's Hosp.; First Lieut., M. C., U. S. Army, 1918-19; Med. H. O., M. G. H., 1919-21; *Assoc. in Pathol., P. B. B. H., May 24, 1921-May 24, 1922*; Fellow in Med., Harv., 1923; Asst. in Med., *ibid.*, 1924-34; Asst. in Med., 1924-26, Asst. Phys., M. G. H.; Visit. Phys., Channing Home; Consult. Phys., Mass. Eye and Ear Infir.; Instr. in Med., Harv., 1934-36; Assoc. in Med., *ibid.*; Consult. Phys., Middlesex Co. San.; in practice, Boston.

KING, WILLIAM ROBERT

B.S., Univ. of Minn., 1913; M.D., Harv., 1917; *Med. H. O., P. B. B. H., July 1, 1917-February 1, 1918*; *Asst. Res. Phys., ibid., February 1-October 24, 1918*; in practice, Minneapolis, Minn.

KINNEY, KENNETH K.

M.D., Univ. of Iowa, 1921; Surg. Interne, one year, Seattle Gen. Hosp.; private practice, three years; *H. O., X-Ray Dept., P. B. B. H., October 1, 1925-April 1, 1926*; *Asst. Res. Roent., April 1-October 1, 1926*; in practice, Willimantic, Conn.

KINSMAN, JAMES MURRAY

B.A., Mt. Allison Univ., Sackville, N. B., 1918; M.D., C.M., McGill Univ., 1922; Pathol. Interne, Royal Victoria Hosp., 1922-23; Demonstr. in Pathol., McGill Univ., 1922-23; *Med. H. O., P. B. B. H., July 1, 1923-November 1, 1924*; Asst. Res. Med., New Haven Hosp., New Haven, Conn., 1924-25; Asst. Prof. of Med., Univ. of Louisville; in practice, Louisville, Ky.

KIRK, ESLEY J.

M.D., Univ. of Nebraska, 1926; H. O., Douglas Co. Hosp., Omaha, Neb., 1926-27; *Asst. Res. Phys., P. B. B. H., August, 1927-August, 1928*; *Jr. Assoc. in Med., ibid., August, 1928-July, 1929*; Asst. Prof. of Int. Med., Univ. of Nebraska Med. Coll.; in practice, Omaha, Neb.

KIRKWOOD, ALLAN STEWART

M.D., Univ. and Bellevue Hosp. Med. Coll., New York, 1913; *Assoc. in Med., P. B. B. H., November 1-December 31, 1917*; Major, M. C., U. S. Army; Visit. Neuro-Psychiatrist, Mountainside Hosp., Montclair, N. J.; Director, Neuro-Psychiatric Clin., *ibid.*; Member, Medical Staff, Montclair Board of Health; in practice, Montclair, N. J.

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KLUMPP, THEODORE G.

B.S., Princeton, 1934; M.D., Harv., 1928; *Med. H. O., P. B. B. H., March 1, 1929-July 1, 1930*; Asst. Res. Med., Lakeside Hosp., 1930-32; Instr. in Med., Yale, 1933-36; Assoc. Phys., New Haven Hosp., 1932-36; Asst. Clin. Prof. Int. Med., Yale (on leave of absence with U. S. Food and Drug Administration).

KNIES, PHILLIP T.

M.D., Ohio State Univ., 1931; Rotating Interne, Walter Reed General Hosp., 1931-32; Jr. Res. Med., Starling-Loving Univ. Hosp., 1932-33; Sr. Res. in Med., *ibid.*, 1933-34; *Asst. Res. Phys., P. B. B. H., 1934*; Instr. in Med., Ohio State Univ.; in practice, Columbus, Ohio.

KOEFOD, HILMAR OLAF

B.S., Beloit, 1911; M.D., Harv., 1916; Moseley Traveling Fellowship, *ibid.*, in Europe, summer of 1916; *Med. H. O., P. B. B. H., November 1, 1916-November 1, 1917*; First Lieut., M. C., U. S. Army, 1917-18; Chief of Clin. at Mem. Lab. and Clin., Santa Barbara, Calif., 1918-19; Asst. in Med., Med. Sch., Univ. of Calif., and Asst. to Prof. H. C. Mossit in his private work, 1919; Chief of Med. Dept., Santa Barbara Clin. and Attend. Phys., Cottage Hosp., Santa Barbara, Calif.; in practice, Santa Barbara, Calif.

KOHN, LAWRENCE A.

A.B., Williams, 1914; work in Bacteriol. with Doctor Park, New York, 1914-17; work in Bacteriol. with army in France, 1917-19; First Lieut., San. Corps, 1918-19; M.D., Johns Hopkins, 1923; Med. Interne, *ibid.*; *Asst. Res. Phys., P. B. B. H., September 15, 1924-September 1, 1925*; Instr. in Med., Univ. of Rochester; Res. Phys., Strong Mem. Hosp., Rochester, N. Y., 1925-27; Asst. Prof. Med., Univ. of Rochester; Asst. Phys., Strong Mem. Hosp.; in practice, Rochester, N. Y.

KREUTZMANN, HENRY ADOLPH ROBERT

M.D., Univ. Pa., 1916; *Surg. H. O., P. B. B. H., 1917-18*; Lieut., M. C., U. S. Army; Assoc. Chief Urologist, Mt. Zion Hosp.; Chief, Urol. Dept., Franklin Hosp.; Chief Urologist, Chinese Hosp.; in practice, San Francisco, Calif.

LADD, WILLIAM SARGENT

B.S., Amherst, 1910; M.D., Columbia, 1915; *Med. H. O., P. B. B. H., November 1, 1915-March 1, 1917*; Asst. Phys., Presbyterian Hosp., New York, and Instr. in Med., Columbia, 1918-19; First Lieut., M. C., U. S. Army; Asst. in Med., J. H. H., and Instr. in Med., Johns Hopkins, 1919-21; Instr. in Med., Columbia, 1921-24; Assoc. in Med., *ibid.*; Asst. Phys., Presbyterian Hosp., New York, 1924-31; Assoc. Dean, Cornell Univ. Med. Sch., Asst. Prof. Med., Cornell, 1931-32; Asst. Visit. Phys., Second Div., Bellevue Hosp., 1932-33; Assoc. Dean, Cornell Univ. Med. Sch., 1931-36; Attend. Phys., N. Y. Hosp.; Dean, Cornell Med. Coll., New York City; Prof. of Clin. Med., *ibid.*

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LAMSON, PAUL DUDLEY

A.B., Harv., 1905; M.D., *ibid.*, 1911; Med. House Pupil, M. G. H., 1909-10; Lect. Asst. in Pharm., Univ. of Wurzburg, Germany, 1912-13; Sheldon Traveling Fellow, Harv., 1911-13; *Asst. Res. Phys., P. B. B. H., October 1, 1913-October 15, 1914*; Asst. in Exp. Therapeutics, Johns Hopkins, 1914-15; Assoc. in Pharmacology, *ibid.*, 1916-20; Assoc. Prof. Pharmacology, *ibid.*, 1921-25; Prof. Pharmacology, Vanderbilt Univ. Sch. of Med.

LANMAN, THOMAS HINCKLEY

A.B., Harv., 1912; M.D., *ibid.*, 1916; *Assoc. in Urol., P. B. B. H., March 22, 1920-June 26, 1922*; Assoc. in Surg., Harv.; Assoc. Visit. Surg., Children's Hosp.; Visit. Surg., Children's Serv., Cambridge Hosp.; in practice, Boston.

LAWRENCE, JOHN H.

M.D., Harv., 1930; *Surg. H. O., P. B. B. H., April 1, 1930-August 1, 1931*; Asst. Res. and Asst. in Med., Univ. of Rochester Med. Sch., 1931-32; Asst. Res. in Med., New Haven Hosp.; Res. Phys., *ibid.*; Instr. in Int. Med., Yale, and Research Assoc., Radiation Lab., Univ. Calif.

LEGGE, ROBERT F.

M.D., C. M., McGill, 1930; *Surg. H. O., P. B. B. H., January-April, 1931*; Interne, San Francisco Hosp., 1931-32; Asst. Res. Surg., Henry Ford Hosp., 1932-33; Res. Orth. Surg., *ibid.*, 1933-35; Orthopedic H. O., M. G. H., 1935; Orthopedic H. O., Children's Hosp., 1935-36; Asst. Orth. Surg., Univ. Calif.

LEHMAN, EDWIN PARTRIDGE

A.B., Williams, 1910; M.D., Harv., 1914; *Surg. H. O., P. B. B. H., July 1, 1914-July 1, 1915*; Asst. Res. Surg., Barnes Hosp., St. Louis, Mo., 1915-16; Asst. in Surg., Washington Univ., 1916-20; First Lieut., M.C., U. S. Army, 1917-19; Res. Surg., Barnes Hosp., St. Louis, 1919-20; Instr. in Surg., Instr., Asst. Prof. and Assoc. Prof. Clin. Surg., Washington Univ., 1920-28; Prof. of Surg. and Gyn. and Director, Surg. Dept., Univ. of Va.

LEVINE, HAROLD D.

S.B., Harv., 1929; M.D., *ibid.*, 1932; Pathol. Interne, Beth Israel Hosp., 1932-33; *Med. H. O., P. B. B. H., 1933-34*; *Asst. Res. Phys., ibid., July-September, 1934*; Research Fellow in Med., Harv., 1934-35; in practice, Bristol, N. H.

LEWIS, EDWIN RAY

M.D., Boston Univ., 1901; Asst. Surg., Clinton Hosp., 1907; Asst. Supt., Mass. Homœopathic Hosp., 1909; Act. Supt., *ibid.*, 1916; Supt., Hahnemann Hosp., Rochester, N. Y., 1916; Supt., Flower Hosp., 1919-20; Capt., M. C., U. S. Army, 1918-19; *Second Asst. Supt., P. B. B. H., April 11, 1921-October 1, 1923*; Supt., Easton Hosp., Easton, Pa., 1923-26; Supt., Burbank Hosp., Fitchburg, 1926-36.

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LEWIS, JR., WILLIAM H.

A.B., Harv., 1922; M.D., *ibid.*, 1926; Intern, Allegheny Gen. Hosp., Pittsburgh, Pa., July 1, 1926-July 1, 1927; *Med. H. O., P. B. B. H.*, *July 1, 1927-March 1, 1928*; Neurol. H. O., B. C. H., 1928; Res. Pathol., Palmer Mem. Hosp., 1928-29; Res. in Pathol., Huntington Mem. Hosp.; Asst. Pathol., Pondville Hosp.; Asst. in Pathol., Harv., 1929-30; Student at Allgemeines Krankenhaus Eppendorf, Hamburg, 1930-31, and Hôpital Lariboisière, Paris, 1931; Hosp. of the Rockefeller Inst., 1932-34; Asst. Attnd. Phys., Bellevue Hosp., New York; Asst. Clin. Prof. Med., New York Univ. Coll. of Med.; in practice, New York City.

LIEB, CLARENCE WILLIAM

A.B., Colorado, 1908; A.M., *ibid.*, 1909; M.D., Harv., 1914; *Pathol. H. O., P. B. B. H.*, *April 1-June 6, 1914 (resigned)*; Med. Director, "The Glen Springs," Watkins, N. Y., 1914-17 (resigned); in practice, Gastro-enterology, New York.

LIEBMAN, CHARLES

Ph.B., Yale, 1917; M.D., Harv., 1921; X-Ray Dept., Base Hosp., Camp Devens; X-Ray Dept., Mass. Eye and Ear Inf.; X-Ray Dept., New Haven Hosp.; *X-Ray H. O., P. B. B. H.*, *June 1, 1921-July 1, 1922*; Roentgenologist, Children's Hosp., Boston, 1922-26; Asst. Roent., Boston Disp. and Beth Israel Hosp., Boston, 1927-35; Roent., Jewish General Hosp., Montreal.

LIGHT, RICHARD U.

Ph.B., Yale, 1924; M.D., Univ. of Mich., 1928; *Surg. H. O., P. B. B. H.*, *July 1, 1929-November 1, 1930*; Arthur Tracy Cabot Fellow, Harv.; *Jr. Assoc. in Surg., P. B. B. H.*, *January 5, 1931-March 24, 1932*; Asst. Res. Surg., *ibid.*, 1932-33; Asst. in Surg., Yale, 1933-34; Instr. in Surg., *ibid.*, 1934-35; Instr. of Surg., Univ. of Rochester, 1935-36; in practice, Kalamazoo, Mich.

LOCKE, JR., CHARLES EDWARD

A.B., M.S., Univ. of Calif., 1916; M.D., *ibid.*, 1919; S.D. (*en Chirurgie*), Univ. of Brussels, 1922; Med. and Surg. H. O., Univ. of Calif. Hosp.; Asst. Res. Surg., *P. B. B. H.*, *June 15, 1920-June 1, 1921*; Asst. on Visit. Surg. Staff, Doctor Depage's Service, St. Pierre Hosp., Brussels; Asst. Etranger, Prof. Pierre Marie's Serv., Salpêtrière, Paris, 1921-22; Fellow, C.R.B., Educational Foundation, 1921-22; Asst. Dept. of Surg., Univ. of Calif. Med. Sch.; Fellow, National Research Council, 1922-23; Full-time Instr. in Surg., Univ. of Cal.; Staff, Hooper Research Foundation, 1923-24; Neurol. Surg., Cleveland Clinic. *Died, Cleveland Clinic disaster, May 15, 1929.*

LOURIA, HENRY WALTER

A.B., Columbia, 1916; M.D., *ibid.*, 1919; Surg. H. O., Presbyterian Hosp., New York, 1919-20; *Med. H. O., P. B. B. H.*, *July 1, 1920-October 1, 1921*; Stud., M. I. T., 1921; Med. Interne, J. H. H., 1921-22; Asst. Surg., Brooklyn Jewish Hosp.; Instr. in Surg., Coll. of

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Phys. and Surg.; Vol. Asst., Surg. Serv. of Prof. H. Von Haberer, Graz, Austria, October, 1927-February, 1928; Assoc. Surg., Brooklyn Jewish Hosp.; Attend Surg., Brooklyn Jewish Hosp.; Assoc. Surg., King's Co. Hosp.; Asst. Prof. Clin. Surg., I. I. Coll. of Med.; in practice, Brooklyn, N. Y.

LUGER, ALFRED

M.D., Univ. of Vienna; Demonstr., Histological Inst., Univ. of Vienna, May, 1909-May, 1911; Klinik Neusser, Vienna, May, 1911-September, 1911; Director, Roentgen. Lab., Klinik Neusser, Vienna, September, 1911-December, 1912; *Roentgenologist, P. B. B. H., January 1, 1913-June 1, 1914* (granted leave of absence from June 1, 1914-December 14, 1915); Asst. in Roentgenology and Asst. in Med., H. M. S., 1914-15; Army Phys., 1915-18; Asst. Bacteriol. Inst., Prof. Dorr, Vienna, 1918-19; Asst. at II. Med. Clin (Professor Ortner), Vienna, 1919-29; Privatdozent f. Innere Medizin, Univ. of Vienna; Ausserordenlich Univ. Prof., *ibid.*; Director of II. Med. Div., Kaiserin Elisebeth Hosp., Vienna.

LYLE, EVELINE BURTON

B.A., Mt. Holyoke Coll., 1906; M.D., Tufts Coll. Med. Sch., 1913; *Act. Assoc. in Med., P. B. B. H., November 1-December 31, 1917*; Visit. Phys. and Obstetrician, N. E. Hosp. for Women and Children; Med. Examiner for Winsor School, Milton Academy Girls' School, Brookline High School for Girls, Boston University School of practical Arts, Penn. Mutual Life Insurance Co., John Hancock Life Ins. Co., United Life and Accident Insurance Co.; in practice, Boston.

LYNCH, JR., JAMES JOSEPH

B.S., Notre Dame Univ., 1915; M.D., Harv., 1919; H. O., Boston Lying-In Hosp., 1919; *Med. H. O., P. B. B. H., July 1, 1919-July 1, 1920*; H. O., Cambridge City Hosp., 1920-21; Jr. Visit. Obstetrician, St. Elizabeth's Hosp.; Jr. Asst. Surg., Boston Disp. *Died January 9, 1937.*

LYON, DON DEE

S.B., Wash. Univ., 1914; M.D., Harv., 1920; H. O., Huntington Hosp., 1919-20; Interne, Bridgeport Hosp., 1920-21; *Surg. H. O., P. B. B. H., March 1, 1921-July 1, 1922*; Res. Phys., Blodgett Mem. Hosp., Grand Rapids, Mich.; Int. Med., Grand Rapids Clin., 1924-25; in practice, Olympia, Wash.

MACMILLAN, STUART FORBES

B.S., Union College, Schenectady, N. Y., 1920; M.D., Albany Med. College, 1925; Interne, Albany Hosp., 1925-26; *Pathol. H. O., P. B. B. H., July 1, 1926-July 1, 1927*; Asst. Surg. and Surg. to O. P. D., Ellis Hosp., Schenectady; in practice, Schenectady, N. Y.

MAHONEY, WILLIAM DEG.

A.B., Holy Cross, 1925; M.D., Harv., 1929; *Surg. H. O., P. B. B. H., October 1, 1929-February 1, 1931*; Asst. Res. Surg., *ibid.*, March 15, 1931-April 1, 1932; *P. B. B. H. Traveling Fellow in Surg., 1932*;

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Asst. Res. Surg., N. Y. Hosp.; Asst. in Surg., Cornell Univ., 1932-34; Research Asst. in Neuro-Surg. and Instr. in Physiol., Yale, 1934-35; Res. Surg., National Hosp., London, 1936; Rockefeller Fellow in Neurol.

MALLORY, TRACY BURR

M.D., Harv., 1921; *Med. H. O., P. B. B. H.*, 1922-23; Instr. in Bacteriol., Harv., 1924-26; Assoc. in Pathol., *ibid.*; Asst. Prof., *ibid.*; Pathologist, M. G. H., Boston, Mass.

MANN, ALBERT HOWELL

M.D., Tulane Univ., 1926; *Med. H. O., P. B. B. H.*, July 1, 1926-November 1, 1927; in practice, Texarkana, Ark.

MARINUS, CARLETON J.

B.Sc., Syracuse, 1915; M.Sc., *ibid.*, 1917; M.D., Univ. of Mich., 1921; *Med. H. O., P. B. B. H.*, November 1, 1921-March 1, 1923; in practice, Detroit, Mich.

MARKHAM, BLACKWELL

A.B., Univ. of N. C., 1917; M.A., *ibid.*, 1918; M.D., Harv., 1922; *Surg. H. O., P. B. B. H.*, July 1, 1922-November 1, 1923; Res. Surg., Fifth Ave. Hosp., 1923-24; Assoc. Attend. Surg., Watts Hosp.; Instr. in Surg., Duke Univ.; in practice, Durham, N. C.

MARKS, JOSEPH H.

B.A., Univ. of Wis., 1925; M.A., *ibid.*, 1926; M.D., Harv., 1929; *Med. H. O., P. B. B. H.*, March 1, 1930-July 1, 1931; *H. O., Roent.*, *ibid.*, July 1, 1931-April, 1932; Member of Staff, N. Y. State Hosp. for Incipient Tbc., 1932; Asst. Res. Roent., *P. B. B. H.*, 1932-33; Roentgenologist, Truesdale Hosp., Fall River, Mass., 1934-36, Roentgenologist, Deaconess Hosp., Boston, Mass.

MARLOW, SEARLE BISSET

A.B., Harv., 1912; Stud., Harv., one year; M.D., Syracuse, 1916; *Pathol. H. O., P. B. B. H.*, July 1, 1916-June 11, 1917; Capt., M. C., U. S. Army, 1918-19; House Surg., Herman Knapp Hosp., New York, 1920-21; Asst. Prof. of Ophthal., Syracuse Univ.; Ophthalmologist, Syracuse Free Disp., St. Joseph's Hosp., and Syracuse Mem. Hosp.; in practice, Syracuse, N. Y.

MARQUIS, FRED M.

B.A., Univ. of Iowa, 1927; M.D., *ibid.*, 1931; *Pathol. H. O., P. B. B. H.*, July 1, 1931-January 1, 1932; *H. O.*, Truesdale Hosp., Fall River, January-March, 1932; *H. O.*, Presbyterian Hosp., Chicago, April, 1932-September, 1933; in practice, Waterloo, Iowa.

MARTIN, PAUL

S.B., Brussels, 1911; M.D., *ibid.*, 1920; Med. Interne, Hosp. St. Pierre, Brussels, 1919-20; Surg. Interne, New Haven Hosp., 1920-21; *Assoc. in Surg., P. B. B. H.*, September 1, 1921-March 1, 1922; *Asst. Res. Surg., ibid.*, March 1-November 1, 1922; Asst. in Surg., Brussels

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Univ. Hosp.; in practice, Brussels, Belgium; Arthur Tracy Cabot Fellow, Harv., 1929-30; *Assoc. in Surg., P. B. B. H., January-April, 1930.*

MARVIN, FRANK WILLIAM

A.B., Harv., 1910; M.D., *ibid.*, 1914; House Pupil, M. G. H., 1914-15; *Surg. H. O., P. B. B. H., November 1, 1915-March 1, 1916*; Visit. Anesthetist, B. C. H., Newton Hosp., Boston Psychopathic Hosp., Boston Dispensary; Head, Dept. of Anesthesia, Tufts Med. Sch.; in practice, Boston.

MARVIN, HAROLD MYERS

A.B., Davidson Coll., 1914; M.D., Harv., 1918; *Med. H. O., P. B. B. H., February 13, 1918-February 9, 1919*; Dist. Phys. with Near East Relief, Alexandropol, Armenia, 1919-20; Asst. in Med., Harv.; Asst. in Med., M. G. H., 1920-21; Instr. in Med., Yale, 1921-23; Asst. Prof. of Med., *ibid.*, 1923-28; Fellow, John Simon Guggenheim Memorial Foundation, 1926-27 (in laboratory of Sir Thomas Lewis, Univ. Coll. Hosp. Med. School, London); Asst. Clin. Prof. Med., Yale, 1928-33; Assoc. Clin. Prof. Med., *ibid.*; in practice, New Haven, Conn.

MASON, B. HENRY

M.D., Bowdoin, 1907; Gen. Internship, Maine Gen. Hosp., 1907-08; Asst. Phys., State Asylum, Worcester, August, 1908-November, 1913; in practice, Portland, Me., 1913-14; Asst. Phys., Worcester State Hosp., February, 1914-May, 1914; Asst. Supt., *ibid.*, May, 1914-June 18, 1918; Act. Supt., *ibid.*, June 18, 1918-April 1, 1921; Neuro-Psychiatrist, Advisory Board A and B, Worcester, Mass., during draft; Asst. Director, Psychopathic Hosp., Ann Arbor, Mich., April, 1921-January, 1923; Neuro-Psychiatrist, U. S. V. B.; Instr. in Psychiatry, Univ. of Mich. Med. School, 1921-23; *First Asst. Supt., P. B. B. H., January 8, 1923-December 1, 1927*; Pres., Conn. Hosp. Assoc., 1929-31; Supt., Waterbury Hosp., Waterbury, Conn.

MASSEE, JOSEPH C.

B.S., John B. Stetson Univ., 1922; M.D., Harv., 1925; *Med. H. O., P. B. B. H., November 1, 1925-March 1, 1927*; Res. Phys., Federal Prison, Atlanta, 1927-28; Instr. in Med., Emory Univ.; Assoc. Visit. Phys., Grady Hosp., Emory Univ. Hosp., and Georgia Baptist Hosp.; in practice, Atlanta, Ga.

MAUPIN, JR., JAMES L.

A.B., Univ. of Calif., 1921; M.D., Stanford, 1926; Interne, Lane and Stanford Hosp., 1925-27; in practice, Fresno, Calif., 1927-28; Member, Fresno Co. Gen. Hosp. Staff, 1927-28; *Asst. Res. Surg., P. B. B. H., September 1, 1928-March 1, 1929*; Surg. Staff, Fresno Gen. Hosp.

MCCANN, WILLIAM SHARP

A.B., Ohio State Univ., 1911; M.D., Cornell, 1915; Asst. Res. Phys., Gen. Mem. Hosp., New York, 1915; *Surg. H. O., P. B. B. H., Novem-*

PETER BENT BRIGHAM HOSPITAL

ber 1, 1915-November 1, 1916 (*resigned*) ; Arthur Tracy Cabot Fellow in charge of Lab. of Surg. Research, Harv.; Capt., M. C., U. S. Army; Instr. in Med., Cornell; Research Fellow, Russell Sage Inst. of Pathol.; Adjunct. Visit. Phys., Bellevue Hosp., New York; Consult. Phys., N. Y. State Reconstruction Hosp.; Assoc. Phys., J. H. H., Baltimore, Md.; Assoc. in Med., Johns Hopkins; Assoc. Prof. Med., *ibid.*; Dewey Prof. of Med., Univ. of Rochester, Rochester, N. Y.

McCarthy, Patrick Thomas

B.S., Univ. of Chicago, 1914; M.D., Rush Med. Coll., 1917; *Surg. H. O., P. B. B. H., December 15, 1917-October 1, 1918; Asst. Res. Surg., ibid., October 1, 1918-February 9, 1919; Relief Comm., Near East, Armenia, 1919-20; Post Grad. Study in Europe, 1920; Surg., Western Montana Clin., Missoula; in practice, Missoula, Mont.*

McCarty, Elba Denton

M.D., Univ. of Mich., 1903; Interne, two years, St. Mary's Hosp., Saginaw, E. S., Mich.; Gen. Practice, Merrill, Mich., 1905-09; Priest River, Idaho, 1909-17; *Roentgenologist, P. B. B. H., July 1, 1918-October 14, 1919; in practice, Tacoma, Wash.*

McClure, Charles Walter

A.B., Ohio State Univ., 1906; M.D., Starling Med. Coll., Ohio, 1910; Med. H. O., St. Francis Hosp., Columbus, Ohio, 1910-11; Asst. in Clin. Med., Starling Med. Coll., 1911-12; Asst. in Med., Univ. of Iowa Med. Sch., 1912-15; Grad. Stud. in Med., Harv., 1915-16; *Asst. Res. Phys., P. B. B. H., July 1-November 1, 1916; Alumni Asst. in Med., Harv.; Res. Phys., P. B. B. H., June 7-July 6, 1917; Phys.-in-Chief, St. Luke's Hosp., South Bethlehem, Pa., 1917-18; Capt., M. C., U. S. Army, 1918; Assoc. in Med., P. B. B. H., February 13, 1919-September 1, 1921; Visit. Phys., Mass. Memorial Hosps., Gastroenterologist, O. P. D., *ibid.*, Member of Sr. Staff in charge of the Div. of Gastro-Intestinal Research, Evans Memorial for Med. Research, Asst. Prof. of Med., Boston Univ. Sch. of Med., 1921-32; Gastroenterologist to V. Med. Serv. and to O. P. D., and Jr. Visit. Phys., Boston City Hosp.; in practice, Boston.*

McEachern, Thomas H.

B.A., Univ. of Mich., 1925; M.D., *ibid.*, 1927; *Med. H. O., P. B. B. H., March 1, 1928-July 1, 1929; Pediatric H. O., N. Y. Nursery and Child's Hosp., 1929-30; Asst. Res. Pediatrician, ibid., 1930; Res. Pediatrician, ibid., 1930-31; Asst. in Pediatrics, Cornell Univ., 1931-33; Asst. Attend. Pediatrician, N. Y. Hosp., 1931-33; in practice (pediatrics), Ann Arbor, Mich.*

McGrath, Robert

B.S., Northwestern, 1924; M.D., *ibid.*, 1928; Interne, St. Luke's Hosp., Chicago; *Jr. Assoc. in Med., P. B. B. H., September 15, 1929-May 1, 1930; Asst. Res. Phys., ibid., May 1, 1930-September 1, 1930; Assoc. in Med., N. Y. Post-Grad. Med. Sch.;* in practice, New York City.

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McKEAN, RICHARD M.

A.B., Univ. of Mich., 1916; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H.*, December 15, 1919-March 1, 1921; H. O., Infants' Hosp., Boston, 1921; Prof. Clin. Med., Wayne Univ.; Attend. Phys. and Director of Metabolic Unit, Detroit Receiving Hosp.; Jr. Phys., Harper Hosp.; Consult. in Metab., Herman Kiefer Hosp.; in practice, Detroit, Mich.

MCKENZIE, KENNETH G.

M.B., Toronto; M.D., *ibid.*, 1914; Interne, Toronto Gen. Hosp., 1914; Capt., Imp. Army M. C., 1914-19; Instr. in Anat., Univ. of Toronto, 1919 (on leave of absence to work with Doctor Cushing under the Mickle Fellowship of Toronto Univ.); *Asst. Res. Surg., P. B. B. H.*, November 1, 1922-November 1, 1923; Surg. Staff, Toronto Gen. Hosp.; in practice, Toronto, Canada.

MCLEAN, ARTHUR JOHN

A.B., Reed Coll., Portland, Ore., 1921; M.D., Johns Hopkins, 1925; *Surg., H. O., P. B. B. H.*, July 1, 1925-November 1, 1926; *Assoc. in Surg.*, *ibid.*, January 10-September 23, 1927; Arthur Tracy Cabot Fellow, Harv., 1926-27; *Asst. Res. Surg., P. B. B. H.*, September, 1927-June, 1929; *Act. Res. Surg., ibid.*, June-September, 1929; George Gorham Peters Traveling Fellow, 1929-30; *Res. Surg., P. B. B. H.*, October 1, 1930-June 1, 1931; Clin. Assoc. in Surg., Univ. of Oregon Med. Sch.; Asst. Prof. Pathol., *ibid.*; in practice, Portland, Ore.

MCLESTER, JAMES BOWRON

A.B., Univ. of Ala., 1926; M.D., Harv., 1930; *Med. H. O., P. B. B. H.*, March 1, 1931-March 1, 1932; Asst. Res. Phys., N. Y. Hosp., 1932-33; Assoc. Attend. Phys., Hillman Hosp., Birmingham, Ala.; Assoc. Clin. Prof. Med., Univ. of Ala.; in practice, Birmingham, Ala.

MCQUESTEN, PHILIP

A.B., Dart., 1911; M.D., Harv., 1915; Stud., B. C. H. (Pathol. Lab.), 1915-16; *Surg. H. O., P. B. B. H.*, March 1, 1916-July 1, 1917; *Asst. Res. Surg., ibid.*, July 1-August 17, 1917; in practice, Nashua, N. H.

MEAGHER, RICHARD

Ph.B., Yale, 1921; M.D., Cornell, 1927; *Pathol. H. O., P. B. B. H.*, September 1, 1927-January 1, 1928; *Surg. H. O., ibid.*, April 1, 1928-August 1, 1929; *Asst. Res. Surg., ibid.*, August 1, 1929-May 1, 1930; *Jr. Assoc. in Surg., ibid.*, May-October, 1930; *Asst. Res. Surg., ibid.*, October 1, 1930-June 1, 1931; Arthur Tracy Cabot Fellow in Surg., Harv., 1930; *Res. Surg., P. B. B. H.*, June 1, 1931-September 1, 1932. *Deceased*.

MENARD, OLIVER J.

B.S., Colgate, 1922; M.D., Jefferson Med. Coll., 1926; Interne, Rochester General Hosp., July 1, 1926-July 1, 1927; Asst. Clin. Phys., Rome State School, July 1, 1927-October 15, 1927; *Med. H. O., P. B. B. H.*, November 1, 1927-March 1, 1929; Asst. Res. in Med., Long

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Island Hosp., November-July, 1929; Fellow in Med., 1929-30; Asst. Phys., 1930-32, Physician, Lahey Clinic, Boston, 1932-33; Asst. Phys., Springfield Gen. Hosp.; in practice, Springfield, Mass.

MIDDLETON, RICHARD

M.D., Harv., 1927; Rotating Internship, Philadelphia; Res. Surg., Memorial Hosp., Worcester; *Asst. Res. Surg., P. B. B. H., September 15, 1930-July 15, 1931*; in practice, Salt Lake City, Utah.

MIDELFART, CHRISTIAN FREDRIK

A.B., Yale; M.D., Johns Hopkins, 1931; *Med. H. O., P. B. B. H., 1932-33*; H. O., N. Y. Lying-In Hosp., 1933-34; Res. in Med., Wisconsin Gen. Hosp., 1934-35; Res. in Neurol., B. C. H., 1935-36; Instr. in Med., Univ. of Wisconsin, Madison, Wis.

MIDELFART, PETER A. H.

A.B., Yale, 1927; M.D., Harv., 1931; *Med. H. O., P. B. B. H., 1931-32*; *Surg. H. O., ibid., 1932-33*; Dept. of Pathol., Cornell, 1933-34; Asst. Res. in Orthopedics, 1934-35; Asst. Res. in Surg., 1935-36, and Res. in Surg., Wisconsin General Hosp., Madison, Wis.

MILLET, JOHN ALFRED PARSONS

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H., November 1, 1914-March 1, 1916*; Internist, New York State Inst. for the Study of Malignant Disease, Buffalo, 1916-19; Capt., M. C., U. S. Army, 1917-19; Asst. Attend. Phys., Buffalo Gen. Hosp.; Assoc. in Med., Buffalo Univ. Med. Sch., and Asst. to the Chiefs of Med. Div., Dept. of Hospitals and Dispensaries, Buffalo, N. Y., 1916-23; Phys., Austen Riggs Foundation, Stockbridge, Mass., 1923-30; Instr. in Psychiatry, Columbia; Asst. Atten. Psychiatrist (Children) Vanderbilt Clin., 1930-32; Fellow in Psychiatry, Cornell; Consult. Psychiatrist, "Silver Hill, Inc.," New Canaan, Conn.; in practice (Psychiatry), New York City.

MILLIKEN, SAMUEL GIBBS

M.D., Univ. of Texas, 1922; Sr. Instr. in Pathol., Univ. of Texas, 1922; *Surg. H. O., P. B. B. H., March 1, 1924-February 1, 1925*; Asst. Prof. of Path., Univ. of Texas; Visit. Phys., Methodist Hosp. and Memorial Hosp., Houston, Texas; in practice, Houston, Texas.

MONTGOMERY, JAMES BLAINE

A.B., Dart., 1911; M.D., Harv., 1915; *Surg. H. O., P. B. B. H., November 1, 1915-March 1, 1917*; House Surg., Mass. Eye and Ear Infir., 1917; Grad., Army Med. Sch., 1917; First Lieut., M. C., U. S. Army; Major, Med. Corps., U. S. Army, Washington, D. C. *Deceased*.

MOORE, RICHMOND LAWRENCE

A.B., Univ. of Va., 1918; M.D., Harv., 1922; *Surg. H. O., P. B. B. H., November 1, 1922-March 1, 1924*; *Asst. Res. Surg., ibid., July 1, 1924-July 1, 1925*; Asst. Res. Phys., Hosp. of the Rockefeller Inst., New York, July 1, 1925-August, 1927; Fellow in Surg., Pres-

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byterian Hosp., 1928-32; Asst. Attend. Surg., *ibid.*; Instr. in Surg., Columbia Univ.; Assoc. Visit. Surg., N. Y. City Hosp.; in practice, New York City.

MORRIS, LAIRD M.

M.D., Univ. of Calif., 1916; *Asst. Res. Phys., P. B. B. H., April 15, 1920-October 1, 1920*; Asst. in Med., Univ. of Calif. Med. Sch., 1921-22; Instr. in Med., *ibid.*, 1923; Instr. in Med., Stanford Med. School; in practice, San Francisco, Calif.

MORRIS, JR., SAMUEL LESLIE

B.S., Davidson (N. C.), 1911; M.D., Harv., 1916; *Surg. H. O., P. B. B. H., November 1, 1916-November 1, 1917*; First Lieut., M. C., U. S. Army; First Asst. House Surg., St. Louis Southwestern Hosp., 1919; Chief House Surg., *ibid.*; in practice, Atlanta, Ga.

MORTON, JOHN JAMIESON

A.B., Amherst, 1907; M.D., Johns Hopkins, 1913; *Surg. H. O., P. B. B. H., March 1, 1913-July 1, 1914*; Fellow in Pathol., Rockefeller Inst., New York City, 1914-15; House Surgeon, M. G. H., 1915-16; Asst. Res. Phys., Rockefeller Inst. Hosp., New York, 1916-17; Major, M. C., U. S. Army, 1917-19; practice, Orthopedic Surg., Boston, Mass.; Grad. Asst., O. P. D., Children's Hosp., Boston, and Asst. Orthopedic Surg., *ibid.*, 1919-21; Asst. Prof. Surg., Yale, 1921-24; Prof. Surg., Rochester Univ. Sch. of Med. and Dentistry, Rochester, N. Y.

MUNTER, EDGAR J.

M.D., Univ. of Calif., 1926; Interne, Med. and Surg., Univ. Hosp., San Francisco, 1925-26; Asst. Res. in Med., *ibid.*, 1926-27; *Asst. Res. Phys., P. B. B. H., 1927-28*; Asst. in Med., Univ. of Calif. Med. Sch., 1928-31; Instr. in Med., *ibid.*, 1931-36; Adjunct in Med., Mt. Zion Hosp., San Francisco; Asst. Clin. Prof. Med., Univ. Calif.; in practice, San Francisco, Calif.

MYERS, DANIEL WILBUR

A.B., Univ. Mich., 1929; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., 1933-34*; Research Fellow in Med., Harv., 1934-35; Asst. Resident Phys., Barnes Hospital, St. Louis, 1935-36; Resident Phys., *ibid.*, 1936-37.

MYERS, GORDON

A.B., Univ. of Mich., 1924; M.D., *ibid.*, 1927; Interne, Asst. Res. in Med., and Res., Receiving Hosp., Detroit, 1927-30; *Asst. Res. Phys., P. B. B. H., August 1, 1930-July 1, 1932*; Prof. of Med., Wayne Univ.; Attend. Phys. and Director of Med., Receiving Hosp., Detroit, Mich.

NELLANS, CHARLES T.

B.S., Univ. of Chicago, 1916; M.D., Rush Med. Coll., 1918; Mem. Res. Staff, Presbyterian Hosp., Chicago, 1918-19; *Med. H. O., P. B. B. H., September 15, 1919-November 1, 1920*; Asst. in Med., Yale,

PETER BENT BRIGHAM HOSPITAL

1921; Instr. in Med., *ibid.*, and Res. Phys., New Haven Hosp., 1921-22; Instr. in Med., Emory Univ., and Asst. Visit. Phys., Wesley Mem. and Grady Hospitals, Atlanta, Ga.; in practice, Atlanta, Ga.

NICHOL, ARTHUR D.

M.D., Ohio State Univ., 1926; Interne, St. Luke's Hosp., Cleveland, 1926-28; *Asst. Res. Phys., P. B. B. H., August, 1928-August, 1929*; Demonstr. in Med., Western Reserve Univ., 1929; Assoc. in Med., St. Luke's Hosp., Cleveland, Ohio; Asst. Visitant, Med. Dept., *ibid.*; Asst. Visit. Phys., O. P. D., Lakeside Hosp., 1931-32; Visitant in Med., St. Luke's Hosp., Cleveland; in practice, Cleveland, Ohio.

NICHOLS, ALVORD G.

A.B., Colgate, 1916; M.D., Harv., 1921; Interne, Worcester City Hosp., 1921-23; Act. Asst. Supt., *ibid.*; *Second Asst. Supt., P. B. B. H., September 17, 1923-June 1, 1924*; Asst. Med. Director, John Hancock Life Insurance Co., Boston. Died May 18, 1926.

NICHOLS, 3D, ANDREW

A.B., Harv., 1912; M.D., *ibid.*, 1916; Surg. H. O., B. C. H., 1916-17; Capt., M. C., U. S. Army, 1917-19; *Second Asst. Supt., P. B. B. H., July 1, 1919-February 1, 1921*; in practice, Danvers, Mass.

NORFLEET, JR., WILLIAM J.

D.M.D., Harv., 1931; *Dental Interne, P. B. B. H., August 1, 1931-June 13, 1932*; in practice, Suffolk, Va.

NORTH, PAUL HENRY

B.S., Univ. of Minn., 1928; M.D., *ibid.*, 1931; Rotating Interne, Ancker Hosp., St. Paul, 1931-32; *Med. H. O., P. B. B. H., November 1, 1932-March 1, 1934*; Asst. in Med., Boston Disp., March-September, 1934; Fellow in Med., Mayo Foundation, 1934-37; First Asst. in Med., Mayo Clin., Rochester, Minn.

NOVY, ROBERT L.

A.B., Univ. Mich., 1913; M.S., *ibid.*, 1914; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H., April 15, 1919-April 1, 1920*; Prof. Clin. Med., Wayne Univ., Detroit; Consult. Int. Med., Herman Kiefer Hosp., Detroit; Attend. Phys., Detroit Receiving Hosp.; Assoc. Phys., Harper Hosp., Detroit; in practice, Detroit, Mich.

O'CONOR, VINCENT JOHN

B.S., Univ. of Mich., 1915; M.D., Rush Med. Coll., 1917; *Surg. H. O., P. B. B. H., January 1, 1917-January 1, 1918*; House Surgeon, Presbyterian Hosp., Chicago, Ill., 1918; First Lieut., M. C., U. S. Army, 1918-19; *Asst. Res. Surg., P. B. B. H., February 15, 1919-July 15, 1920*; Urol. Surg., Washington Boulevard Hosp.; Assoc. Prof., G. U. Surg., Univ. of Ill., Sch. of Med.; Urol. Surg., Lutheran-Deaconess Hosp., Chicago; Urol. Surg., Garfield Park Hosp.; in practice, Chicago, Ill.

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OLDBERG, ERIC

B.S., Northwestern, 1923; M.S., *ibid.*, 1926; M.D., *ibid.*, 1927; Ph.D., *ibid.*, 1928; Asst. in Chemistry, *ibid.*, 1922-23; Asst. in Physiol. and Pharmacol., *ibid.*, 1925-27; Instr. in Physiol., *ibid.*, 1927-28; Elizabeth J. Ward Fellow in Physiol., *ibid.*, 1927; *Surg. H. O., P. B. B. H., January 1, 1928-April, 1929*; Asst. Res. Surg., *P. B. B. H., April 1, 1929-October 1, 1930*; George Gorham Peters Traveling Fellow in Berlin and Oxford, 1930-31; Asst. Prof. of Surg., in charge of Neuro-Surgery, Univ. of Illinois, Chicago, Ill., 1931-34; Associate Prof. of Surg. and Acting Head Dept. of Surg., *ibid.*, 1934-36; Prof. and Head Dept. of Neur. and Neuro-Surgery, 1936; Attend. Neuro-Surg., Illinois Research and Educational Hospitals and St. Luke's Hosp., Chicago; Consult. Neuro. Surg., Illinois Central Hosp., Augustana Hosp., St. Joseph's Hosp. and U. S. Marine Hosp., Chicago.

O'MEARA, JOHN WILLIAM

A.B., Holy Cross, 1912; M.D., Harv., 1918; *Surg. H. O., P. B. B. H., January 7, 1918-January 7, 1919*; Orthopedic H. O., Children's Hosp., Boston, 1919; Comm. for Relief in Near East, in charge of Surg. Wards, American Hosp., Samsoun, Turkey-in-Asia, 1919-20; Orthopedic Surg., St. Vincent's Hosp., Worcester; Sr. Orth. Surg., Worcester City Hosp.; in practice, Worcester, Mass.

OPPENHEIMER, ELLA

A.B., Bryn Mawr, 1914; M.D., Johns Hopkins, 1918; *Med. H. O., P. B. B. H., September 1, 1918-June 11, 1919*; Phys. in Charge, Baby Summer Hosp. Camp Washington, D. C., 1920; Examining Phys. (Girls), Juvenile Court, Washington, D. C., 1920-21; Asst. Visit. Phys., Children's Hosp.; Phys., National Training School for Girls; Research Asst., Federal Children's Bureau; Assoc. Pediatrician, Providence Hosp., Washington, D. C.; Director, Div. of Child Hygiene, Children's Bureau, U. S. Dept. of Labor, 1922-24; Specialist in Child Hygiene, U. S. Children's Bureau, 1930-36; Director, Bureau of Maternal and Child Welfare, Health Dept., Washington, D. C.; Residence, Bethesda, Md.

ORMOND, ALEXANDER T.

A.B., Princeton, 1912; M.D., Johns Hopkins, 1919; *Surg. H. O., P. B. B. H., November 1, 1919-March 1, 1921. Deceased.*

ORMOND, JR., ALFRED CURTIS

A.B., Davidson, 1922; M.D., Harv., 1927; *Surg. H. O., P. B. B. H., October 1, 1927-February 1, 1929*; Surg. Res., Peck Mem. Hosp., Brooklyn, N. Y., 1929-30; Chief Res., Williamsport Hosp., 1930-31; in practice, Zanesville, Ohio.

ORR, JR., LOUIS M.

B.S., Emory Coll., 1922; M.D., Atlanta Med. Coll., 1924; Jr. Interne, Grady Hosp., Atlanta, Ga., 1923-24; *Surg. H. O., P. B. B. H., July 1, 1924-November 1, 1925*; Asst. Res. Surg., Lakeside Hosp., Cleveland; in practice, Orlando, Fla.

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Osgood, Rudolf

S.B., Harv., 1924; M.D., Univ. of Chicago, 1929; *Pathol. H. O.*, *P. B. B. H.*, July 1, 1929-July 1, 1930; Res. Pathol., Children's Hosp., Boston, 1930-31; *Res. Pathol.*, *P. B. B. H.*, 1931-32; Res. Pathol., B. L. I., 1932-33; Instr. in Pathol., Tufts Med. Coll., 1933-36; Pathol., Monson State Hosp.

Oughterson, Ashley W.

M.D., Harv., 1924; M.S., Yale, 1929; *Pathol. H. O.*, *P. B. B. H.*, January 1, 1924-January 1, 1925; Surg. H. O., New York Hosp., January 1, 1925-January 1, 1927; Res. Surg., First Surg. Div., Bellevue Hosp., New York, January 1, 1927-July 1, 1927; *Asst. Res. Surg.*, *P. B. B. H.*, 1927-28; William Harvey Cushing Fellow in Surg., Yale Univ., 1928-29; Asst. Prof. of Surg., *ibid.*, 1929-34; Assoc. Prof. Surg., *ibid.*; Assoc. Surg., New Haven Hosp. and New Haven Disp.

Parker, Jr., Frederick

A.B., Harv., 1913; M.D., *ibid.*, 1916; *Med. H. O.*, *P. B. B. H.*, March-April, 1917; Asst. Pathol., B. C. H., 1923-32; Asst. Prof. of Pathol., Harv., 1928-34; Assoc. Prof. of Pathol., *ibid.*; Pathol., Boston City Hosp.

Parkins, Leroy Edward

A.B., Simpson Coll., 1912; M.D., Harv., 1918; Asst. Res., Boston Consumptives' Hosp.; Asst. Res., So. Dept., B. C. H.; *Surg. H. O.*, *P. B. B. H.*, December 1, 1918-March 1, 1920; private practice, Douglas, Wyo.; Second Asst. Supt., *P. B. B. H.*, January-May, 1921; First Asst. Supt., *ibid.*, May 1, 1921-February 1, 1923; in practice, Boston.

Parsons, Robert J.

A.B., Syracuse, 1928; M.D., *ibid.*, 1931; *Med. H. O.*, *P. B. B. H.*, June 15, 1931-October 30, 1932; Research Fellow in Med., Harv., November 1, 1932-July 31, 1933; Pathol. Interne, N. Y. Hosp., 1933-34; Res. in Pathol., N. Y. Hosp., 1934-35; Asst. in Pathol., Cornell, 1933-35; Asst. in Dept. of Pathol. and Bacteriology, Rockefeller Inst. for Med. Research, New York City.

Patterson, Howard A.

M.D., Harv., 1925; Interne, Roosevelt Hosp., N. Y., 1925-27; House Gynecologist, *ibid.*, 1927-28; Asst. Res. Surg., *P. B. B. H.*, February-September, 1928; Chief, Surg. O. P. D. and Assoc. Surg., Roosevelt Hosp., N. Y.

Patterson, Jr., Robert Lee

B.A., Univ. of Ga., 1928; M.D., Harv., 1932; *Surg. H. O.*, *P. B. B. H.*, July 1, 1932-November 1, 1933; Orth. Serv., Children's Hosp., 1933-34; Orth. Serv., M. G. H., 1934-35; Res., Fracture Serv., Presbyterian Hosp., N. Y., 1935-36; Asst., Ruptured and Crippled Hosp.; in practice (Orthopedic Surgery), New York.

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PEABODY, FRANCIS WELD

A.B., Harv., 1903; M.D., *ibid.*, 1907; House Pupil, M. G. H., 1907-08; Asst. Res. Phys., J. H. H., 1908-09; Fellow in Pathol., Johns Hopkins, 1909-10; Stud. of Chem., Univ. of Berlin, Germany, 1910; Asst. Res. Phys., Hosp. of Rockefeller Inst., 1911-12; Asst., Rockefeller Inst., 1911-12; *Res. Phys.*, *P. B. B. H.*, November 1, 1912-September 1, 1915 (granted leave of absence March 1, 1914-January 1, 1915, to serve as a member of the China Medical Commission of the Rockefeller Foundation); *Asst. Visit. Phys.*, *P. B. B. H.*, September 1-December 9, 1915; Alumni Asst. in Med., Harv., 1913-15; Asst. Prof. of Med., *ibid.*, 1915-19; Consult. Phys., Collis P. Huntington Mem. Hosp., Boston; *Phys.*, *P. B. B. H.*, December 9, 1915-September, 1921 (leave of absence August 1, 1917-February 1, 1918, to serve as a member of the American Red Cross Comm. to Roumania); Major, M. C., U. S. Army, 1918-19; Assoc. Prof. of Med., Harv., 1920-21; Prof. of Med., *ibid.*; Visit. Phys., B. C. H.; Director, Thorndike Lab., *ibid.*; Member, China Medical Board, Rockefeller Foundation; Member, Board of Scientific Directors, Rockefeller Inst.; *Consult. Phys.*, *P. B. B. H.*, 1921-27. Died October 13, 1927.

PECK, EUGENE CURTIS

A.B., Harv., 1916; M.D., *ibid.*, 1919; M. P. H., *ibid.*, 1933; *Med. H. O.*, *P. B. B. H.*, 1919-20; Instr. in Physiol. Chem., Tulane Univ., New Orleans, La.; Asst. in Pediatrics, Harv.; Prof. Bio-chemistry and Physiol., St. John's Univ., Shanghai, China, 1922-25; H. O., Children's Med. Serv., M. G. H., 1925-26; Pediatrician, Lawrence and Mem. Assoc. Hosp., New London, Conn., 1927-31; Asst. Epidemiologist, Conn. State Dept. Health, 1931-32; Deputy State Health Officer, Oakland, Garrett Co., Maryland.

PENFIELD, WILDER GRAVES

Litt.B., Princeton, 1913; B.A., Oxford, 1916; M.A. and B.Sc., D.Sc., Oxon, *ibid.*, 1920; M.D., Johns Hopkins, 1918; *Surg. H. O.*, *P. B. B. H.*, August 15 1918-September 20, 1919; Beit Mem. Research Fellow, England; Assoc. Attend. Surg., Presbyterian Hosp., New York; Asst. Prof. of Surg., Columbia Univ.; Asst. Surg., Neurol. Inst., Columbia Univ.; Asst. Surg., Neurol. Inst. of New York; Attend. Neurol., Vanderbilt Clin.; Prof. Neurology and Neuro-Surgery, McGill Univ.; Surg. in Charge Neurol. Surg., Royal Victoria Hosp.; Consult. Neurol. Surg., Montreal Gen. Hosp.; Director, Montreal Neurol. Inst.; in practice, Montreal.

PETTIT, ROSWELL TALMADGE

S.B., Univ. of Chicago, 1908; M.D., Rush Med. Coll., 1913; *Med. H. O.*, *P. B. B. H.*, March 1, 1914-July 1, 1915; Capt., M. C., U. S. Army; Med. Director, Ottawa Tbc. San., 1919-26; Board of Directors, National Tuberculosis Assoc., 1922-29; Director, Ill. Valley Hosp., 1926-32; Chairman, Radiological Section, Ill. State Med. Soc.; in practice, Ottawa, Ill.

PETER BENT BRIGHAM HOSPITAL

PICKWICK, ERSKINE R.

M.D., Tufts, 1924; Interne, Newton Hosp., 1924-25; Asst. Surg., Hood Rubber Co. (Hosp.), Watertown, Mass., 1925-27; Asst. Res. (Exec.) Worcester City Hosp., 1927-29; *H. O. Roent., P. B. B. H., July 1, 1929-July 1, 1930*; Asst. Res. in Roent., *ibid.*, July 1, 1930-July 1, 1931; Asst. Visit. Roent., Pondville Hosp., 1932; Asst. Visit. Roent., Burbank Hosp., Fitchburg; in practice (Roentgenology), Fitchburg, Mass.

PILCHER, COBB

M.D., Vanderbilt Univ., 1927; *Surg. H. O., P. B. B. H., July 1, 1927-November 1, 1928*; Asst. Res. Phys., Vanderbilt Univ. Hosp., Nashville, Tenn., 1928-29; Asst. Res. Surg., *ibid.*, July, 1929-January, 1931; Res. Surg., *ibid.*, 1931-32; Instr. in Surg., *ibid.* (on leave of absence); Special Student, Dept. of Neuro-Surg., Univ. of Chicago, February-May, 1932; Fellow in Neuro-Surg., Washington Univ. School of Med., St. Louis, Mo., 1932-33; Asst. Prof. Surg., Vanderbilt Univ.

PINKERTON, HENRY

S.B., M. I. T., 1918; M.D., Harv., 1924; *Pathol. H. O., P. B. B. H., July 1, 1924-July 1, 1925*; Res. Pathol., Children's Hosp., Boston, July, 1925-July, 1926; *Res. Pathol., P. B. B. H., September 1, 1926-September 1, 1927*; Instr. in Pathol., Harv.; Asst. Prof. Pathol., *ibid.*

POKORNY, NORMAN A.

A.B., Marquette Univ., 1925; M.D., Johns Hopkins, 1929; *Med. H. O., P. B. B. H., March 1, 1930-July 1, 1931*; Babies' Hosp., New York City, 1931-32; Med. Res., Infants' and Children's Hosp., 1932-33; in practice, Springfield, Mass.

POTTER, WILLIAM HENRY

A.B., Harv., 1878; D.M.D., *ibid.*, 1885; A.M., Hon., *ibid.*, 1927; Demonstr. in Operative Dentistry, Harv., 1887-88; Clin. Lecturer, *ibid.*, 1890-96; Lecturer, *ibid.*, 1896-1900; Asst. Prof., *ibid.*, 1900-04; Prof., Operative Dentistry, *ibid.*, 1907-27; Prof. Emeritus, *ibid.*, 1927; Dental Surgeon, "Ambulance American Hospital" at Neuilly, France, 1914-15; First Lieut., Major, and Lieut. Col., Dental Corps, U. S. A., 1917-19, A. E. F.; Member, U. S. A. Base Hosp. No. 5, A. E. F.; Instr., Dental Dept., U. S. A. Sanitary School, Langres, 1918-19; *Consulting Dental Surg., P. B. B. H. Died July 27, 1928.*

POTTS, JR., WILLIAM HENRY

A.B., Univ. of Texas, 1922; M.D., Harv., 1926; *Med. H. O., P. B. B. H., March 1, 1926-July 1, 1927*; Asst. Clin. Med., Baylor Univ., 1927-29; Instr. Clin. Med., *ibid.*; in practice, Dallas, Texas.

POWERS, JOHN HOWARD

A.B., Bates, 1919; B.A., Oxon, 1923; M.D., Harv., 1925; *Surg. H. O., Lakeside Hosp., Cleveland, Ohio, 1925-26*; Asst. Res. Surg., *P. B. B. H., October 15, 1926-September 15, 1927*; Arthur Tracy Cabot Fellow in charge of Lab. of Surg. Research, Harv.; Assoc. in Surg.,

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P. B. B. H., September, 1927-October, 1928; Res. Surg., ibid., October 15, 1928-July 1, 1930; Assoc. Surg., Mary Imogene Bassett Hosp., Cooperstown, N. Y.

PRICE, JAMES VALENTINE

A.B., Univ. of N. C., 1915; M.D., Johns Hopkins, 1919; *Surg. H. O., P. B. B. H., October 15, 1919-March 1, 1921; Guggenheim Bros., La Paz, Bolivia, S. A.*

PURKS, WILLIAM K.

B.S., Emory Univ., 1926; M.D., *ibid.*, 1929; Interne, Grady Hosp., Atlanta, 1929-30; Med. H. O., *ibid.*, 1930-31; *Asst. Res. Phys., P. B. B. H., July 1, 1931-February 15, 1934; Director, Dept. of Internal Med., Vicksburg Clin. and Hosp.; in practice, Vicksburg, Miss.*

PUTNAM, TRACY JACKSON

A.B., Harv., 1915; M.D., *ibid.*, 1920; Asst. Res. Pathol., J. H. H., 1920-21; *Asst. Res. Surg., P. B. B. H., November 1, 1923-October 1, 1924; Moseley Traveling Fellow, Harv., 1925; Arthur Tracy Cabot Fellow, ibid., 1925-26; Assoc. in Surg., P. B. B. H., 1925-28; Instr. in Neuropathol., Harv.; Asst. Prof. Neurol. Surg., *ibid.*; Asst. Visit. Phys. in Neurol and Asst. Visit. Surg. for Neuro-Surg., B. C. H.; Asst. Visit. Surg., Neuro-Surg., M. G. H., 1932-34; Visit. Neurologist, B. C. H.; Prof. of Neurol., Harv.*

QUINLAND, WILLIAM SAMUEL

B.S., M.D., Rosenwald Fellow in Pathol., Harv., September 1919-April, 1921; *Asst. in Pathol., P. B. B. H., April 14, 1921-July 28, 1922; Pathol., G. W. Hubbard and M. E. Hale Hospitals and Prof. of Pathol., Meharry Med. Coll., Nashville, Tenn.; Assoc. Med. Director, Geo. W. Hubbard Hosp., Nashville, Tenn.*

RAGSDALE, LUNHEY VARNON

A.B., Univ. of Ala., 1917; M.D., Harv., 1924; *Second Asst. Supt., P. B. B. H., June 1-December 15, 1924; Med. H. O., ibid., December 15, 1924-March 1, 1926; Clin. Instr. in Med., Univ. of Alabama; Asst. Clin. Prof. Med., ibid., 1931; Asst. Director, M. G. H.*

RAND, CARL WHEELER

A.B., Williams, 1908; A.M., *ibid.*, 1909; M.D., Johns Hopkins, 1912; Res. H. O., J. H. H., 1912-13; *Asst. Res. Surg., P. B. B. H., October 1, 1913-November 1, 1914; House Surg., Mercy Hosp., Chicago, Ill., 1914-15; Lieut., M. C., U. S. Army; Clin. Prof. Surg., (Neurological) Univ. of Calif.; in practice, Los Angeles, Calif.*

RAPPORT, DAVID

A.B., Harv., 1912; M.D., *ibid.*, 1916; Moseley Traveling Fellow, Harv., 1916-17; *Med. H. O., P. B. B. H., March 1-June 17, 1917; Lieut., M. C., U. S. Army, 1917-19; Austin Teaching Fellow in Physiol., Harv., 1919-20; Instr. in Physiol., *ibid.*, 1920-21; Research Fellow in Physiology, Cornell Univ. Med. Coll., 1921-24; Sr. Instr. in Physiol., Western Reserve Univ. Med. Sch., 1924-26; Asst. Prof. Physiol., *ibid.*, 1926-29; Prof. Physiology, Tufts Med. School, Boston.*

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RAWLINGS, J. MOTT

B.S., Princeton, 1921; M.D., Johns Hopkins, 1925; Interne, *ibid.*, 1925-26; Instr. in Pathol., *ibid.*, 1926-27; H. O. Med. Serv., Baltimore City Hosp., 1927-28; *Pathol. H. O., P. B. B. H.*, July 1, 1928-July 1, 1929.

RAY, BRONSON SANDS

B.S., Franklin College, 1924; M.D., Northwestern, 1928; Interne, Passavant Memorial Hospital, Chicago, Ill., and Wesley Memorial Hosp., Chicago, Ill., 1928-29; *Surg. H. O., P. B. B. H.*, January 1, 1930-May 1, 1931; Asst. Res. Surg., *ibid.*, June 1, 1931-September 1, 1932; Asst. Res. Surg., N. Y. Hosp., 1932-35; Res. in Surg., *ibid.*, 1935-36; Assoc. in Surg., Cornell.

READ, JAMES S.

B.A., Vanderbilt Univ., 1921; M.D., *ibid.*, 1924; Interne, Louisville City Hosp., 1924-26; Asst. Res. Phys., *P. B. B. H.*, July 1, 1926-July 1, 1927; in practice, Nashville, Tenn.

REIFENSTEIN, BENEDICT W.

B.S., Syracuse, 1920; M.D., *ibid.*, 1922; Pathol. H. O., Hosp. of the Good Shepherd, Syracuse, N. Y.; *Pathol. H. O., P. B. B. H.*, July 1, 1922-July 1, 1923; Med. H. O., New Haven Hosp., 1923-24; Asst. Phys., Syracuse Univ. Hosp. of the Good Shepherd; Inst. in Med., Syracuse Univ. College of Med.; in practice, Syracuse, N. Y.

RENNIE, THOMAS A. C.

B.S., Univ. of Pittsburgh, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H.*, November 1, 1928-March 1, 1930; Med. Res., Simpson Mem. Hosp., 1930; Psych. H. O., 1931, Asst. Res., 1932, Res. Psych., 1933-35, and Assoc. in Psychiatry, Henry Phipps Psych. Clin., Johns Hopkins Hosp., Baltimore, Md.

REYNOLDS, LAWRENCE

A.B., Univ. of Ala., 1912; M.D., Johns Hopkins, 1916; Capt., M. C., U. S. Army, 1917-19; *Roentgenologist, P. B. B. H.*, October 15, 1919-June 1, 1922; Roentgenologist, Children's Hosp., Boston, 1922; Roentgenologist, Children's Free Hosp., Detroit, Mich.; Asst. Roentgenologist, Harper Hosp., Detroit; Editor, Am. Journal of Roent.; in practice, Detroit, Mich.

RHEA, LAWRENCE JOSEPH

B.S., Univ. of Texas, 1901; M.D., Johns Hopkins, 1905; F.R.C.P.; H. O. in Pathol., B. C. H., 1906-07; Second Asst. in Pathol., *ibid.*, 1907; First Asst. in Pathol., *ibid.*, 1907-08; Asst. Visit. Pathol., *ibid.*, 1908-09; Asst. in Pathol., Harv., 1908-09; Instr. in Pathol., *ibid.*, 1909-10; Asst. Pathol., B. C. H., 1909-10; Director of Pathol. Lab. and Pathol., Montreal Gen. Hosp., 1910-12; Lect. in Pathol., McGill Univ., 1910-11; Asst. Prof. of Pathol., *ibid.*, 1911-12; *Res. Pathol., P. B. B. H.*, July 1, 1912-October 1, 1913; Asst. Prof. of Pathol., Harv., 1912-13; Assoc. Prof. of Pathol., McGill Univ.; Major, Cana-

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dian Army Med. Corps; Pathol., Children's Memorial Hosp., Montreal; Pathol., Babies' and Foundlings' Hosp., Montreal; Director, Pathol. Lab., Montreal Div. of Shriner's Hosp.; Director of Pathol. Lab., Montreal General Hosp.

RHOADS, CORNELIUS PACKARD

A.B., Bowdoin, 1920; M.D., Harv., 1924; *Surg. H. O., P. B. B. H., July, 1924-May 18, 1925*; Assoc. in Pathol., Boston City Hosp., 1926-27; Instr. in Pathol., Harv., 1927-28; Associate Member, Rockefeller Inst. for Med. Research.

RICHARDSON, HENRY BARBER

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H., March 1, 1915-July 1, 1916*; Asst. in Med., Johns Hopkins; Asst. Disp. Phys., J. H. H.; First Lieut., M. C., U. S. Army, 1918-19; Instr. in Med., Columbia Univ., New York, and Asst. Adjunct Visit. Phys., Bellevue Hosp., New York, 1921; Instr. in Med., Cornell, and Research Fellow, Russell-Sage Inst. of Pathol., Bellevue Hosp., New York City, 1923; Visit. Phys., Bellevue Hosp., 1928; Assoc. Prof. of Med., Cornell Univ. Med. Coll., New York City; Attend. Phys., New York Hosp.

RICHTER, ARTHUR B.

A.B., Indiana, 1925; M.D., *ibid.*, 1931; Rotating Interne, Indiana Univ. Hosp., 1931-32; *Med. H. O., P. B. B. H., November 1, 1932-March 1, 1934*; Pathol. H. O., Cleveland City Hosp., 1934; *Asst. Res. Phys., P. B. B. H., 1934-35*; in practice, Flora, Ind.

RIDDLE, MATTHEW C.

B.A., Reed College, 1917; M.A., Univ. of Oregon, 1922; M.D., Harv., 1926; Huntington Mem. Hosp., March-June, 1926; *Med. H. O., P. B. B. H., November 1, 1926-March 1, 1928*; Res. Interne and Jr. Research Asst., Simpson Mem. Inst. for Med. Research; Fellow in Med., National Research Council; Clin. Instr. in Med., Univ. of Oregon Med. Sch., 1930-32; Research Asst., Simpson Mem. Inst. for Med. Research, 1936-37; Clin. Assoc. in Med., Univ. of Oregon Med. Sch.; Medical Advisor, Reed College; in practice, Portland, Ore.

RINGER, MICHAEL

B.S., Coll. of City of New York, 1915; M.D., Cornell, 1919; Instr. in Exper. Med., Yale., 1919-21; Instr. in Physiol., Cornell, 1921-23; *Med. H. O., P. B. B. H., November 1, 1923-January 1, 1925*; Assoc. Phys., Montefiore Hosp., New York; in practice, New York City.

RIOCH, DAVID M.

B.A., Butler Coll., Indianapolis, 1920; M.D., Johns Hopkins, 1924; *Surg. H. O., P. B. B. H., November 1, 1924-March 1, 1926*; *Asst. Res. Surg., ibid., March-April, 1926*; Asst. Med. Res., Strong Mem. Hosp., Rochester, N. Y., April 1, 1926-July 1, 1927; Instr. in Med., Univ. of Rochester Sch. of Med., July 1, 1927-September 15, 1928;

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Nat. Research Council Med. Fellow, September 15, 1928-September 15, 1930; Assoc. in Physiol., Johns Hopkins Med. Sch., 1930-31; Asst. Prof. Anat., Harv.

ROBERTSON, HAROLD F.

M.B., B.Sc. (Med.); Research Fellow in Surg., Brigham Unit. Lab., 1932; *Asst. Res. Surg., P. B. B. H., 1933-34*; in practice, Toronto, Canada.

ROONEY, JAMES STEWART

Univ. of Calif., 1917-21; M.D., Harv., 1926; *Pathol. H. O., P. B. B. H., January 1-October 1, 1926*; Res. Pathol., Long Island Hosp., October 1, 1926-June 1, 1927; Res. Phys., *ibid.*, 1927-28; Instr. in Pathol., Harv.; Pathol., Charles Choate Mem. Hosp., Woburn, Faulkner Hosp., Boston, Industrial Accident Board, Commonwealth of Mass., Lynn Hosp., Lynn, Malden Hosp., Malden, Women's Hosp., Boston, Duxbury Hosp. and Moore Hosp., Brockton, Norwood Hosp., Norwood, Peterborough Hosp., Peterborough, N. H., Symmes Arlington Hosp., Arlington, Weymouth Hosp., Weymouth, Whidden Mem. Hosp., Everett, Community Mem. Hosp., Ayer, Winchester Hosp., Winchester, and Winthrop Comm. Hosp., Winthrop.

ROOT, HOWARD FRANK

A.B., Harv., 1913; M.D., *ibid.*, 1919; *Med. H. O., P. B. B. H., 1919-20*; Clin. Lab., J. H. H., 1920; *Assoc. in Med., P. B. B. H., 1922-30*; Phys., N. E. Deaconess Hosp.; in practice, Boston, Mass.

ROSS, J. PATERSON

M.B., M.S., London; F.R.C.S., England; St. Bartholomew's Hosp., England; *Jr. Assoc. in Surg., P. B. B. H., April 9, 1923-September 14, 1923*.

RUBLEE, C. D.

M.D., Univ. of Vt., 1922; in practice, 1922-28; *Roent. H. O., P. B. B. H., November 1, 1928-February 1, 1929*; in practice, Newport, Vt.

RUTLEDGE, D. I.

M.D., Univ. Nebraska, 1934; *Pathol. H. O., P. B. B. H., 1934-35*; Rotating Interne, U. S. Marine Hosp., New Orleans, La., 1935-36; Fellow in Med., Mayo Clin.

SAEGER, ERNEST TIRRILL

B.S., Dart., 1914; M.D., Harv., 1917; *Surg. H. O., P. B. B. H., July 1, 1917-August 1, 1918*; Res., First Surg. Div., Bellevue Hosp., New York; in practice, Boston.

SAGEBIEL, JAMES LAMBERT

B.S., Denison Univ., 1924; M.D., Harv., 1927; *Surg. H. O., P. B. B. H., October 1, 1927-February 1, 1929*; H. O., B. L. I., March-September, 1929; Sr. in Neuro-Psychiatry and Jr. in Neuro-Surg., Miami Valley Hosp.; Sr. in Neuro-Psychiatry and Jr. in Neuro-Surg., Good Samaritan Hosp.; in practice (Neuro-Psychiatry), Dayton, Ohio.

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SALLEY, S. MARION

B.S., Emory Univ., Atlanta, 1924; M.D., *ibid.*, 1928; Interne, Grady Hosp., July 1, 1928-July 1, 1929; *Asst. Res. Phys., P. B. B. H.*, 1929-31; in practice, Miami, Fla.

SCARFF, JOHN E.

B.S., Princeton, 1920; M.D., Johns Hopkins, 1924; experimental lab. work, *ibid.*, 1924-25; H. O., *ibid.*, 1925-27; *Surg. H. O., P. B. B. H., March 1, 1927-July 1, 1928*; *Asst. Res. Surg., ibid., July 1, 1928-July 1, 1930*; *Res. Surg., ibid., July 1, 1930-October 1, 1930*; Jr. Attend. Neuro-Surg., Bellevue Hosp., N. Y.; Instr., Neuro-Surg., N. Y. Post-Graduate Med. Sch. and Hosp.; in practice (Neuro-Surgery) N. Y.

SCHIRO, HAROLD S.

A.B., Bowdoin, 1929; M.D., Johns Hopkins, 1933; *Med. H. O., P. B. B. H., June 15, 1933-November 1, 1934*; Fellow in Med., Harv., 1934-35; Asst. Res. in Med., Duke Univ. Hosp., 1935-36; Asst. Res. Phys., Cincinnati Gen. Hosp., 1936-37; Res. Phys., *ibid.*

SCHLESINGER, MONROE J.

B.S., Coll. City of New York, 1912; Ph.D., Harv., 1920; M.D., *ibid.*, 1926; Asst., N. Y. H. D. Research Lab., 1912-14; Asst. Bacteriol., West Penn. Hosp., Pittsburgh, 1914-17; Asst. in Preventive Med. and Hygiene, *ibid.*, 1917-20; Instr., *ibid.*, 1920-22; Asst. in Pathol., *ibid.*, 1922-23; Research Asst. in Pathol., *ibid.*, 1923-25; *H. O., Pathol., P. B. B. H., July 1, 1925-July 1, 1926*; Res. Pathol., Children's Hosp., Boston, 1926-27; Instr. in Pathol., Harv.; Pathol., Beth Israel Hosp., Boston.

SCHMITZ, HENRY L.

B.S., Univ. of Chicago, 1920; M.S., Univ. of Wis., 1922; Ph.D., Univ. of Wis., 1924; M.D., Harv., 1926; Med. H. O., Huntington Mem. Hosp., Boston, July, 1926-December, 1926; *Med. H. O., P. B. B. H., March 1, 1927-July 1, 1928*; Lasker Fellow and Instr., Dept. of Med., Univ. of Chicago, 1928-30; Asst. Prof. of Med., *ibid.*, 1931-34; Assoc. Clin. Prof. Med., Loyola Univ. School of Medicine; in practice, Chicago, Ill.

SCHNECK, ROBERT J.

M.D., Harv., 1925; Interne, St. Luke's Hosp., Chicago, 1925-26; *Med. H. O., P. B. B. H., July 1, 1926-November 1, 1927*; *Asst. Res. Phys., ibid., 1927-28*; Instr. in Med., Detroit Coll. of Med., 1929; Assoc. Phys., O.P.D., Harper Hosp., Detroit, 1934; Physician, O.P.D., *ibid.*; Assoc. in Med., Detroit Receiving Hosp.; Asst. Prof. Med., Wayne Univ. College of Medicine; in practice, Detroit, Mich.

SCHOLEFIELD, BERNARD GRAHAM

B.A., Oxford, 1921; M.A., B.M., B.Ch., *ibid.*, 1923; M.D., Oxford, 1927; F.R.C.S., England, 1928; M.Ch., Oxon, 1931; Stud., St. Peter's College, Westminster, London, 1912-17; Second Lieut., Royal

PETER BENT BRIGHAM HOSPITAL

Engineers, 1917-19; Student, Guy's Hosp., London, 1922-23; House Surgeon, *ibid.*, 1924-25; Commonwealth Fund Fellow, Johns Hopkins Univ., 1925-26; *Asst. Res. Surg., P. B. B. H., August 1, 1926-July 10, 1927*; Surg. Registrar, Guy's Hosp., London, England, 1928-32; Honorary Surg., Herefordshire Gen. Hosp.

SCHREIBER, FREDERIC

A.B., Univ. of Mich., Ex.-1918; Ensign, U. S. N., 1918-19; M.D., Harv., 1923; Interne, Harper Hosp., 1923-25; Asst. to Dr. Max Ballin, 1925-28; Asst. in Surg., O. P. D., Harper Hosp., 1926; *Asst. Res. Surg., P. B. B. H., October 1, 1928-August 1, 1929*; Neuro-Surg., Harper Hosp., Receiving Hosp., Children's Hosp. of Mich.; Consult. Neuro-Surg., Deaconess Hosp., Sigma Gamma Clin., North End Clin., Woman's Hosp., Herman Kiefer Hosp., Detroit; Prof. Brain and Nerve Surg., Detroit Coll. of Med. and Surg.; in practice, Detroit, Mich.

SCHULZ, REUBEN Z.

A.B., Central Wesleyan Coll., Warrenton, Mo., 1921; M.A., Univ. of Nebraska, 1926; M.D., *ibid.*, 1927; Fellow and Asst., Dept. of Anat., *ibid.*, 1924-25; Asst. in Bact. and Immunology, *ibid.*, 1925-26; *Pathol. H. O., P. B. B. H., July 1, 1927-July 1, 1928*; Res. Pathol., Children's Hosp., 1928-29; *Res. Pathol., P. B. B. H., September 1, 1929-September 1, 1931*; Instr., Dept. Pathol., Harv.

SCHUMACHER, IRWIN C.

A.B., Univ. of Calif., 1915; M.D., Johns Hopkins, 1919; *Asst. Res. Phys., P. B. B. H., October 1, 1920-September 1, 1921*; Asst. Prof. Med., Univ. of Calif.; in charge, Clin. Pathol. Dept., and Allergy Clin., Director of Clin. Labs., and Visit. Phys., Univ. of Calif. Hosp.; in practice, San Francisco, Calif.

SCHWARTZ, CHARLES WADSWORTH

Ph.B., Yale, 1914; M.D., Harv., 1919; *H. O., X-Ray Dept., P. B. B. H., February 20, 1919-February 20, 1920*; Director, X-Ray Dept., Neurol. Inst. of New York; Assoc. Prof. Clin. Radiology, College of Physicians and Surgeons, Columbia Univ.; in practice, New York City.

SCOTT, W. J. MERLE

A.B., Oberlin, 1914; M.D., Johns Hopkins, 1918; A.M., Columbia Univ., 1922; First Lieut., M. C., U. S. Army, 1918-19; Asst. in Surg., Henry Ford Hosp., Detroit, Mich., 1918-21; Fellow in Exper. Pathol., Montefiore Hosp., 1921-22; Arthur Tracy Cabot Fellow, Harv., 1922-23; Asst. in Surg., *ibid.*, 1923; *Assoc. in Surg., P. B. B. H., September 1, 1922-July 1, 1923*; *Asst. Res. Surg., ibid., July 1, 1923-July 1, 1924*; Res. Surg., Lakeside Hosp., and Instr. in Surg., Western Reserve Univ., Cleveland, Ohio, 1924-26; Asst. Surg., Strong Mem. and Rochester Municipal Hosp., 1926-27; *Assoc. Surg., ibid.*; Asst. Prof. Surg., Univ. of Rochester, Rochester, N. Y., 1926-27; *Assoc. Prof. Surg., ibid.*

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SEELY, HALL

A.B., Yale, 1929; M.D., Harv., 1933; *Surg. H. O., P. B. B. H.*, November 1, 1933-March 1, 1935; Asst. Res. in Pathol., New Haven Hosp. and Asst. in Pathol., Yale Univ., January-July, 1936; Asst. Res. in Surg., Stanford Univ. Hospitals and Asst. in Surg., Stanford Univ., 1936-37; Res. in Surg., Stanford Univ. Hosp.; Asst. in Surg., Stanford Univ.

SHAMBAUGH, JR., GEORGE E.

A.B., Amherst, 1924; M.D., Harv., 1928; *Med. H. O., P. B. B. H.*, November 1, 1928-March 1, 1930; Interne, Mass. Eye and Ear Infirmary, 1930-32; Res. in Otolaryngology, Presbyterian Hosp., Chicago, 1932-33; Staff, Presbyterian Hosp., Chicago; Consult. Staff, Municipal Contagious Disease Hosp.; Instr., Dept. Otolaryngology, Rush Med. Coll.; in practice (otolaryngology), Chicago, Ill.

SHELBURNE, SAMUEL A.

B.A., Rice Inst., Houston, Texas; M.D., Univ. of Pa., 1928; H. O., Univ. Hosp., Philadelphia, 1927-29; Lab. work, Shreveport Charity Hosp., 1922-23; *Asst. Res. Phys., P. B. B. H.*, July 1, 1929-July 1, 1930; Teach. Fellow in Med., Lakeside, 1930-31; Instr. in Med., Baylor Med. Sch.; Visit. Phys., Parkland Hosp.; in practice, Dallas, Texas.

SHILLITO, FREDERICK H.

A.B., Univ. of Mich., 1927; M.D., Harv., 1931; *Surg. H. O., P. B. B. H.*, January 1, 1932-May 1, 1933; Asst. in Med., Columbia Univ.; Asst. Phys., Presbyterian Hosp., New York City.

SHRADER, JOHN C.

B.S., Univ. of Iowa, 1920; M.D., *ibid.*, 1922; Med. Interne, Univ. Hosp., Iowa, 1922-23; Hosp. Chem., *ibid.*, 1923-24; *Asst. Res. Phys., P. B. B. H.*, July, 1924-August, 1926; Chief Res., Emory Div., Grady Hospital, Atlanta, Ga., 1926-27; in practice, Ft. Dodge, Iowa.

SIMON, HILDA AMANDA

M.D., Cooper, 1905; *Third Asst. Supt., P. B. B. H.*, October 5, 1917-March 1, 1919; Supt., Lynn Hosp., Lynn, Mass. (resigned); City Health Dept., Seattle, Wash. *Died June 7, 1929.*

SIMPSON, SUTHERLAND E. R.

A.B., Cornell, 1921; M.D., Harv., 1925; *Med. H. O., P. B. B. H.*, March 1, 1926-August 1, 1926; Supt. and Med. Director, Jefferson Co. Sanatorium, Watertown, N. Y.

SISSON, WARREN RICHARDS

A.B., Colgate, 1906; Stud. of Med., Freiburg, Germany (summer semester), 1910; Stud., Univ. of Munchen (winter semester), 1910-11; Stud., Univ. of Heidelberg (summer semester), 1911; M.D., Johns Hopkins, 1912; House Pupil, M. G. H., Children's Med. Ward, 1912-13; *Med. H. O., P. B. B. H.*, March 1, 1913-March 1, 1914; *Res. Pathol., ibid.*, March 1, 1914-April, 1915; Instr. in Pathol.,

PETER BENT BRIGHAM HOSPITAL

Harv., 1914-15; H. O., B. C. H., So. Dept., summer of 1915; Sr. H. O., Boston Floating Hosp., 1915; Instr. in Pediatrics, Johns Hopkins, 1916; Instr. in Pediatrics, Harv.; Consult. Pediatrician, Boston Lying-In Hosp.; in practice, Boston.

SMILLIE, WILSON GEORGE

A.B., Colorado, 1908; M.D., Harv., 1912; D.P.H., *ibid.*, 1916; *Med. H. O., P. B. B. H.*, November 1, 1912-March 1, 1914; *Asst. Res. Phys., ibid.*, March 1-September 1, 1914; Asst. Instr., Dept. of Preventive Med., Harv., 1914-16; Research Fellow, Rockefeller Inst., New York City, 1916-17; International Health Board of Rockefeller Foundation, 1917; loaned by the board as Asst. Prof. Hygiene de Faculdade de Medicina, Sao Paulo, Brazil, 1918-20; Director, Institute Hygiene; Prof. of Hygiene, Faculdade de Medicina e cirurgia, Sao Paulo, Brazil, 1920-22; Director of Training Base, International Health Board, Andalusia, Ala., 1922-25; Asst. Director for U. S., International Health Board, New York, 1929-32, and 1933-36; Prof., Dept. Public Health Administration, Harvard School Public Health, 1928-37; Director, Dept. of Public Health and Preventive Med., Cornell Univ. Med. Sch., New York City.

SMITH, BARNEY BARR

M.D., Jefferson, 1917; H. O., Jewish Hosp., Philadelphia, Pa., 1917-18; First Lieut., M. C., U. S. Army, 1918-19; Asst., X-Ray Dept., Lincoln and Beth Israel Hosp., New York City, 1920; *H. O., X-Ray Dept., P. B. B. H.*, April 15, 1920-April 21, 1921; Assoc. Roent., City Hosp., Buffalo; Instr. in Radiology, Univ. Buffalo Med. Sch.; Roent., Marine Hosp., Buffalo; in practice, Buffalo, N. Y.

SMITH, JUDSON ARTHUR

A.B., Harv., 1915; M.D., *ibid.*, 1918; *Med. H. O., P. B. B. H.*, February 14, 1918-January 30, 1919; Surg. Serv., New Haven Hosp.; *Asst. Res. Surg., P. B. B. H.*, June 15, 1921-July 1, 1922; H. O., Boston Lying-In Hosp., 1922-23; Res. Obstetrician, *ibid.*, 1923-24; in practice, Boston.

SMITH, W. CARTER

B.S., Emory Univ., 1924; M.D., *ibid.*, 1926; Interne, Grady Hosp., Atlanta, Ga., 1926-27; Asst. Res. Phys., Vanderbilt Univ. Hosp., 1927-28; *Jr. Assoc. in Med., P. B. B. H.*, September 1, 1928-September 1, 1929; Res. Phys., Grady Hosp. (Emory Univ.), 1929-30; in practice, Atlanta, Ga.

SMITH-PETERSEN, MARIUS NYGAARD

B.S., Univ. of Wis., 1910; Univ. of Wis. Med. Sch., 1910-12; M.D., Harv., 1914; *Surg. H. O., P. B. B. H.*, July 1, 1914-November 1, 1915; Res. Surg., Harv. Unit, Am. Ambulance Hosp., Paris, France, April-July, 1918; House Pupil, M. G. H. (Orthopedic Serv.), 1916; Visit. Orthopedic Surg., M. G. H.; Chief, Orthopedic Serv., M. G. H.; Asst. Prof. Orthopedics, Harv.; in practice, Boston.

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SNODGRASS, SAMUEL R.

B.S., Indiana Univ., 1927; M.D., *ibid.*, 1929; Interne, Indianapolis City Hosp., 1929-30; Asst. Res. Pathol., Indiana Univ. Hospitals, 1930-31; Interne, Lakeside Hosp., 1931-32; *Asst. Res. Surg., P. B. B. H., November 1, 1932-March 1, 1934; Harvey Cushing Fellow, P. B. B. H., March-August, 1934;* Fellow in Neuro-Surg., Washington Univ., 1934-36; Grant for study from Div. of Medical Sciences, Rockefeller Foundation, 1937; Neuro-Surg., John Sealy Hosp.; Asst. Prof. Surg., Univ. of Texas, Galveston, Texas.

SOOY, DANIEL WARREN

M.D., Univ. of Calif., 1917; *Asst. Res. Surg., P. B. B. H., September 1, 1921-July 1, 1922;* Instr. in Surg., Univ. of Calif. Med. Sch.; in practice, San Francisco, Calif.

SPIES, THOMAS D.

M.D., Harv., 1927; *Pathol. H. O., P. B. B. H., January 1, 1928-January 1, 1929;* First Asst. in Pathol., B. C. H., 1929-30; Interne, Lakeside Hosp., 1930-31; Teach. Fellow in Med., Western Reserve Univ., 1931-33; Instr. in Med., *ibid.*, 1931-33; Sr. Instr. in Med., *ibid.*, 1933-34; Asst. Prof. Med., Univ. of Cincinnati, 1934-35; Assoc. Prof. of Med., *ibid.*

SPILLMAN, RAMSAY

A.B., Cornell, 1914; M.D., *ibid.*, 1917; *Surg. H. O., P. B. B. H., July 1, 1917-March 1, 1918;* Columbia Hosp., Washington, D. C., 1918-19; Assoc. Roentgenologist, Hosp. for Ruptured and Crippled; Consult. Roentgenologist, Beekman St. Hosp. and New York Infirmary for Women and Children; in practice (Roentgenology) New York City.

SPURLING, ROY G.

A.B., Univ. of Mo., 1920; A.M., *ibid.*, 1923; M.D., Harv., 1923; *Surg. H. O., P. B. B. H., November 1, 1923-March 1, 1925; Asst. Res. Surg., ibid., March 1-September 1, 1925;* Res. Surg., Louisville City Hosp., Louisville, Ky.; Instr. in Surg., Univ. of Louisville Sch. of Med.; Asst. Prof. Surg., *ibid.*

STATER, WAYNE J.

A.B., Univ. of Oregon, 1917; M.D., Harv., 1921; *Surg. H. O., P. B. B. H., March 1, 1922-July 1, 1923;* in practice, Los Angeles, Calif.

STEAD, JR., EUGENE A.

B.S., Emory, 1928; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., June 15, 1932-November 1, 1933;* Research Fellow in Med., Harv., 1933-34; *Surg. H. O., P. B. B. H., June 15, 1934-November 1, 1935;* Asst. Res. in Med., Cincinnati Gen. Hosp., 1935-36; Res., *ibid.*, 1936-37; Instr. in Med., Univ. of Cincinnati, 1936-37; Asst. Res., Thorndike Memorial Lab., B. C. H.; Research Fellow in Med., Harv.

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STECHER, ROBERT M.

B.S., Dart., 1919; M.D., Harv., 1923; *Med. H. O., P. B. B. H., November 1, 1924-November 1, 1925*; Research Asst. in Med., Cleveland City Hosp.; Asst. Visit. Phys. in General Med. and Phys. in Med. in the O. P. D., Cleveland City Hosp.; Desert San. of So. Arizona, Tucson, Ariz. (on leave October 1, 1931-May 1, 1932, for Clin. Research); Visit. Phys. in Gen. Med., and Sr. Clin. Instr., Dept. of Med., Western Reserve Univ. Med. School; in practice, Cleveland, Ohio.

STEEL, SELWYN

M.D., Yale, 1930; Grad. Asst. in Med., M. G. H., 1930-31; *Med. H. O., P. B. B. H., February 15, 1931-July 1, 1932*; Asst. in Med., Boston Disp.; Instr. in Med., Tufts; Jr. Visit. Phys., B. C. H.; in practice, Boston, Mass.

STELLAR, ROBERT W.

B.S., Occidental Coll., Calif., 1919; Univ. of Calif., two years; M.D., Harv., 1923; *Surg. H. O., P. B. B. H., November 1, 1923-March 1, 1925*; in practice (traumatic surgery), Wilmington, Calif.

STEVENS, FRANKLIN AUGUSTUS

B.S., Univ. of Iowa, 1913; M.D., *ibid.*, 1915; Res. Phys., Univ. Hosp., Iowa, 1915; Instr. in Med., Univ. of Iowa, 1916-17; *Asst. Res. Phys., P. B. B. H., July 21, 1917-January 1, 1918*; M. C., U. S. Army, 1918-19; Coolidge Fellow in Med., Columbia Univ., New York, 1919-20; Instr. in Med., *ibid.*; in practice, New York City.

STEVENS, WILLIAM B.

M.D., Harv., 1924; Asst. Res., Thorndike Lab., B. C. H., 1924-25; Interne, Fourth Med. Service, *ibid.*, 1925-26; *Asst. Res. Phys., P. B. B. H., December 1, 1926-August 22, 1927*; Jr. Visit. Phys., B. C. H.; Member, Assoc. Staff, Faulkner, N. E. Deaconess, Robert B. Brigham Hosp., Boston; Asst. in Med., Harv.; in practice, Boston.

STEWART, STEELE FULLER

B.S., Westminster, Pa., 1912; M.D., Univ. of Pa., 1918; *Surg. H. O., P. B. B. H., June 1, 1918-July 1, 1919*; Orthopedic Service, Children's Hosp., Boston, 1920; Orthopedic Service, M. G. H., 1921-22; Assoc. Orthopedic Surg., Children's Hosp., Los Angeles, 1922; Asst. Orthopedic Surg., *ibid.*; Jr. Orthopedic Surg., Los Angeles Gen. Hosp.; Orthopedic Surg., San Bernardino County Welfare Commission; Orthopedic Consultant, Nat. Home for Disabled Volunteer Soldiers, Sawtelle, Calif.; Asst. Prof. Surg. (Orthopedics), Univ. of So. Calif.; in practice, Los Angeles, Calif.

STIMSON, HORACE POTTE

A.B., Amherst, 1918; M.D., Harv., 1922; *Surg. H. O., P. B. B. H., March 1, 1923-July 1, 1924*; Asst. Res. Surg., *ibid.*, September 8-December 12, 1924; Phys. of Fogg Museum Archaeological Expedition to Mongolia, 1925; in practice, Miami, Fla., 1926-28; Assoc. in Trau-

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matic Surg., Clin. of Doctors Forrester, Stimson and Mason; Orth. Consult., Marine Hosp. of Chicago; Member, Attending Staff, Chicago Memorial Hosp.; in practice, Chicago, Ill.

STODDARD, JAMES LEAVITT

A.B., Harv., 1910; M.D., *ibid.*, 1914; *Pathol. H. O., P. B. B. H., July 1, 1914-July 1, 1915*; *Act. Res. Pathol., ibid., July 1-September 1, 1915*; Research Fellow in Pathol., Harv.; Major, M. C., U. S. Army, 1917-19; Lect. in Biochemistry, Smith Coll., 1920-21; Asst. Prof. Biochemistry, Smith Coll., 1921-22; Chemist, M. G. H.; Asst. in Med., Harv.

STONE, ERIC PERCY

B.S., Harv., 1914, as of 1915; M.D., *ibid.*, 1918; *Surg. H. O., P. B. B. H., May 15, 1918-July 1, 1919*; Asst. Res. Surg., *ibid., October 1, 1919-June 15, 1920*; Surg. in Charge, Urol. Serv., Charles V. Chapin Hosp.; Assoc. in Urol., Surg. Serv., R. I. Hosp.; Consult. Urol., Prov. Lying-In Hosp., Memorial Hosp., Pawtucket, and South County Hosp., Wakefield, R. I.; in practice, Providence, R. I.

STONE, GEORGE HENRY

A.B., Bowdoin, 1905; M.D., *ibid.*, 1908; H. O., Maine Gen. Hosp., 1908-09; in practice, Clinton, Mass., 1909-11; H. O., B. C. H., 1912-13; Exec. Asst., *ibid.*, 1913-15; *Third Asst. Supt., P. B. B. H., February 1, 1915-May 1, 1917*; *Second Asst. Supt., ibid., May 1, 1917-July 1, 1919*; Capt., M. C., U. S. Army, 1918-19; Major, Med. Sec., Officers' Reserve Corps, U. S. Army; *First Asst. Supt., P. B. B. H., July 1, 1919-May 1, 1921*; Supt., Eastern Maine Gen. Hosp., Bangor, Me., June, 1921-February, 1930; Supt., The Memorial Hosp., Worcester, Mass.

STRAYER, LUTHER M.

A.B., Princeton, 1926; M.D., Harv., 1930; *Surg. H. O., P. B. B. H., July 1, 1930-November 1, 1931*; Jr. Fellow in Surg., Presbyterian Hosp., New York City, December, 1931-June, 1932; Res. on Fracture Serv., *ibid.*, 1932-33; in practice, Stratford, Conn.

STRAYHORN, JR., WILLIAM DAVID

B.A., Vanderbilt, 1925; M.D., *ibid.*, 1928; *Med. H. O., P. B. B. H., July 1, 1928-November 1, 1929*; Asst. in Med., Vanderbilt Hosp., 1929-30; Asst. Res. Phys., *ibid.*, 1930-31; Res. Phys., *ibid.*, 1931-32; Res. Phys., N. Y. Hosp. and Cornell Univ. Med. Coll., 1932-34; Medical Officer, Tenn. Valley Authority, 1934-36; in practice, Nashville, Tenn.

STURGIS, CYRUS CRESSEY

B.S., Univ. of Wash., 1913; M.D., Johns Hopkins, 1917; *Med. H. O., P. B. B. H., October 15, 1917-August 22, 1918*; First Lieut., M. C., U. S. Army, 1918-19; *Asst. Res. Phys., P. B. B. H., August 25, 1919-April 15, 1920*; *Res. Phys., ibid., April 15, 1920-August 1, 1922*; *Assoc. in Med., ibid., August 1, 1922-September 1, 1925*; Fac. Instr. in Med., Harv., September 1, 1922-September 1, 1925; Asst. Prof.

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Med., *ibid.*, September 1, 1925; Assoc. Phys., C. P. Huntington Hosp., September 1, 1925-January 1, 1926; *Physician, P. B. B. H.*, September 1, 1925-July 1, 1927; Director, Thos. Henry Simpson Mem. Inst. for Med. Research; Prof. Int. Med., Univ. of Mich. Sch. of Med.; Director, Dept. of Int. Med., Univ. Hosp., Ann Arbor, Mich.

SULLIVAN, GEORGE ARNOLD

A.B., Catholic Univ., Washington, D. C., 1929; D.M.D., Harv., 1933; *Dental Interne, P. B. B. H.*, 1933-34; in practice, Newburyport, Mass.

TAFT, ANNIE E.

M.D., Tufts, 1907; *Res. Pathol., P. B. B. H.*, November 5, 1917-January 31, 1918; Res. Phys., Pa. Hosp. Mental and Nervous Diseases, 1918-20; Special Research Asst., Boston Psychopathic Hosp., 1920-21; Neuro-Pathol., Pa. Hospital Mental Diseases, and Neuropsychiatrist, Community Health Centre, Philadelphia, 1922-27; Laura Spelman Research Fellow, Dept. Industrial Medicine, Univ. of Pa., 1927-31; Bibliographic Research, Neurol. Inst. of New York, 1932-33; Laboratory Research in Neuropsychiatry, Philadelphia.

TAFT, ROGER BROWNE

D.M.D., Harv., 1908; Asst. in Oral Surg., *ibid.*, 1910; Instr. in Oral Surg., *ibid.*, February 1, 1919; *Dental Surg., P. B. B. H.*, January 13, 1916-February 13, 1919; Instr. in Operative Dent., Harv.; in practice (Dentistry), Boston.

TAYLOR, ARTHUR C.

B.A., Univ. of Wisconsin, 1921; M.A., *ibid.*, 1924; M.D., Harv., 1927; *Med. H. O., P. B. B. H.*, July 1, 1927-November 1, 1928; *Pathol. H. O., ibid.*, January, 1929-January, 1930; Asst. Res. in Surg., Wis. Gen. Hosp., January, 1930-July, 1930; Res. in Surg., *ibid.*, 1930-31; Asst. in Surg., Univ. Clin., Basel, Switzerland, 1932; Instr. in Surg., Univ. of Wis., 1931-35; in practice, Washburn, Wis.

TEEL, CHARLES E.

M.D., Washington Univ., 1923; Surg. Interne, New Haven Hosp., 1923-24; H. O., M. G. H., 1924-25; *Asst. Res. Surg., P. B. B. H.*, November 1, 1925-June 22, 1926; Asst. in Genito-Urinary Surg., Harv., 1925-26; in practice, Bellingham, Wash.

TEEL, HAROLD M.

M.D., Harv., 1929; Arthur Tracy Cabot Fellow, Harv., January-September, 1929; *Jr. Assoc. in Surg., P. B. B. H.*, July 1-September 1, 1929; Asst. Res., Lakeside Hosp., 1929-31; H. O., Boston Lying-In Hosp., 1931-33; Res. in Obst., *ibid.*, 1933-34; Instr. in Obstetrics, Harv.

TEFFT, JR., RICHARD C.

A.B., Yale, 1916; M.D., Harv., 1920; *Med. H. O., P. B. B. H.*, March 1, 1921-July 1, 1922; Assoc. Phys., Children's Med. Dept., M. G. H.; Consult. in Pediatrics, Mass. Eye and Ear Infirmary; Instr. in Pediatrics, Harv.; Consult. in Pediatrics, Robert Brigham Hosp.; in practice, Boston, Mass.

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TEMPLETON, EARL R.

B.S., Colgate Univ., 1914; M.D., Syracuse, 1920; *Pathol. H. O.*, *P. B. B. H.*, July 6, 1920-July 1, 1921; Med. H. O., New Haven Hosp., 1921-22; Res. in Med., Buffalo City Hosp., 1922; Clin. Asst. in Med., *ibid.*; Cardiologist, Mercy Hosp., Buffalo, N. Y.; Post-graduate study abroad, 1932; Instr. Clin. Cardiology, Georgetown Univ. Sch. of Med.; in practice, Washington, D. C.

THAXTER, LANGDON THOM

A.B., Williams, 1911; M.D., Harv., 1915; Med. House Pupil, M. G. H., 1915-16; *Surg. H. O.*, *P. B. B. H.*, November 14, 1916-July, 1917; Res. Roent., M. G. H., 1926-27; Roentgenologist, Maine Gen. Hosp.

THOMPSON, CHARLES BAKER

A.B., Haverford, 1909; M.D., Johns Hopkins, 1913; *Med. H. O.*, *P. B. B. H.*, November 1, 1913-November 1, 1914; Second Asst. Res., Phipps Psychiatric Clin., J. H. H., 1914-15; First Asst. Res., *ibid.*, 1915-16; Psychiatrist and Executive Secretary, Mental Hygiene Soc. of Md., 1916-27; Editor, *Mental Health*, 1923-26; School Psychiatrist, Baltimore Public Schools, 1922-27; Attend. Phys., Vanderbilt Clin., Psychiatric Dept.; Instr. in Psychiatry, College of Phys. and Surgs., New York, 1927-29; Psychiatrist, Bellevue Hosp., New York; Instr. in Psychiatry, N. Y. Univ.; Vice-President, The Lifwynn Foundation; in practice, New York City.

THOMPSON, KENNETH WADE

A.B., Leland Stanford, 1926; M.D., Harv., 1929; *Surg. H. O.*, *P. B. B. H.*, January 1, 1930-May 1, 1931; Fellow in Surg. Research, Harv.; Asst. Res. Surg., *P. B. B. H.*, October 1, 1931-March 1, 1933; Cushing Fellow, *ibid.*, March 1-July 1, 1933; Peters Traveling Fellow, 1933-34; Res. Surg., *P. B. B. H.*, 1934-35; Instr. in Surg., Harv., 1934-35; Fellow in Experimental Endocrinology, Yale; Assoc. Surg., New Haven Hosp.

THRASHER, IRVING D.

M.D., Johns Hopkins, 1931; Rotating Interne, J. H. H., 1931-33; *Pathol. H. O.*, *P. B. B. H.*, January 1, 1933-September 23, 1933; Res. Surg., Illinois Research and Educational Hosp., Univ. of Ill., 1933-35; Member, Attend. Staff, Henrotin Hosp.; in practice, Chicago, Ill.

THURMON, FRANCIS M.

B.S., Illinois Coll., 1922; M.D., Harv., 1926; Interne, Wesley Mem. Hosp., 1926-28; Fellow in Med., Harv., 1928-29; Asst. Res. Phys., *P. B. B. H.*, June 15, 1929-September 1, 1930; Phys.-in-Chief, Clin. of Dermatology and Syphilis, Boston Disp.; Dermatologist, Boston Floating Hosp.; Asst. Prof. Dermatology, Tufts College Med. Sch.; in practice (dermatology), Boston.

TOLLMAN, JAMES PERRY

B.S., Univ. of Neb., 1927; M.D., *ibid.*, 1929; *Med. H. O.*, *P. B. B. H.*, July 1, 1929-November 1, 1930; *Pathol. H. O.*, *ibid.*, January 1, 1931-July 15, 1931; Asst. Prof. Pathol., Univ. of Nebraska.

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TOWLERTON, FLETCHER JOHNSON

A.B., Harv., 1917; M.D., *ibid.*, 1921; H. O., Collis P. Huntington Mem. Hosp., 1919-20; *Surg. H. O., P. B. B. H.*, July 1, 1921-November 1, 1922; Visit. Surg., Lyons Hosp., Lyons, N. Y.; in practice, Lyons, N. Y. Died October 8, 1933.

TOWNE, EDWARD BANCROFT

A.B., Harv., 1906 (1907); M.D., *ibid.*, 1913; *Surg. H. O., P. B. B. H.*, July 1, 1913-November 1, 1914; Asst. Res. Surg., *ibid.*, November 1, 1914-November 1, 1915; Surg., Second Harv. Unit, B. E. F., France, 1915-16; Vol. Asst. in Exp. Bacteriol., Mayo Foundation, Rochester, Minn., 1916; Fellow *pro tempore*, Mayo Foundation, 1916-17; Asst. Res. Surg., *P. B. B. H.*, September 1, 1916-May 7, 1917; Major, M. C., U. S. Army, May, 1917-19; Assoc. Clin. Prof. of Surg., Leland Stanford Junior Univ., San Francisco; in practice, San Francisco, Calif.

TRANTER, CHARLES LEE

B.S., Univ. of Calif., 1911; M.D., *ibid.*, 1913; Med. and Surg. H. O., Univ. of Calif. Hosp., 1913-14; Asst., Nerve O. P. D., *ibid.*, 1914-15; Asst. in Neurol., Univ. of Calif., 1915; Asst. Res. Surg., *P. B. B. H.*, January 8, 1916-January 1, 1917; Asst. in Neurol., Univ. of Calif., 1917; Capt., M. C., U. S. Army; in practice, San Francisco, Calif.

TREMaine, MYRON JEWELL

B.A., Univ. Ill., 1929; M.S., Northwestern, 1932; M.D., *ibid.*, 1932; Med. H. O., *P. B. B. H.*, 1933-34; Res. Gynecologist, Passavant Mem. Hosp., Chicago, 1934-35; First Lieut., M. C., U. S. Army.

TROPPOLI, DANIEL V.

A.B., A.M., Brown Univ., 1923; M.D., Harv., 1927; Neurol. H. O., M. G. H., June, 1927-January, 1928; Med. H. O., *P. B. B. H.*, March 1, 1928-July 1, 1929; Res. Phys., R. I. Hosp., 1929-30; *Surg. H. O., P. B. B. H.*, July 1, 1931-November 1, 1932; in practice, Providence, R. I.

TURNBULL, GEORGE CLARENCE

M.D., Northwestern Univ., 1922; H. O., Gen. Serv., Surg. and Obstetrics, Evanston Hosp., Evanston, Ill., 1922-23; Asst. in Pathol., Northwestern Univ., 1920-22; Med. H. O., *P. B. B. H.*, March 1, 1923-July 1, 1924; Phys. (special), Yale Univ. Dept. Health, New Haven, Conn., 1924-26; Clin. Asst., Dept. Int. Med., Yale Univ. Sch. of Med., 1924-26; Post-Grad. work in Medicine and Pathol., Vienna, Austria, 1926-27; Assoc. in Med., Northwestern Univ.; Assoc. Phys., Evanston Hosp. Med. Service; in practice, Evanston, Ill.

TURNER, RALPH WALDO

M.D., Albany Med. School, 1917; *Surg. H. O., P. B. B. H.*, December 23, 1917-May 2, 1918; Lieut., M. C., U. S. Army. Deceased.

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VAIL, HARRIS HOLMES

A.B., Yale, 1912; M.D., Harv., 1917; *Surg. H. O., P. B. B. H., March 1, 1916-May 3, 1917*; Lieut., M. C., U. S. Navy, 1917-19; H. O., Aural, Mass. Eye and Ear Infir., 1920-21; Attend. Otolaryngologist, Christ Hosp. and Good Samaritan Hosp., Cincinnati; Asst. in Otolaryngology, Univ. of Cincinnati; in practice (Otolaryngology), Cincinnati, Ohio.

VAN AUKEN, HOWARD A.

A.B., Yankton Coll., 1925; M.D., Univ. of Mich., 1931; *Med. H. O., P. B. B. H., July 1, 1931-November 1, 1932*; Fellow in Med. Research, Harv., 1932-33; Clin. Asst., N. Y. Post-Grad. Hosp. and Med. Sch., 1933-35; Instr. in Med., *ibid.*, 1935-36; First Lieut., M. C., U. S. Army, Ft. Belvoir, Va.

VANCE, ROBERT G.

Roent., Huntington Mem. Hosp., 1924-28; *Assoe. in Roent., P. B. B. H., 1928*; Asst. Visit. Phys., X-ray Dept., M. G. H.; Roent. to Winchester and Chelsea Mem. Hosp.; Roent., Newton Hosp. and Framingham-Union Hosp.

VAN GORDER, GEORGE WILSON

A.B., Williams, 1911; M.D., Harv., 1915; *Surg. H. O., P. B. B. H., March 1, 1915-July 1, 1916*; Medical House Pupil, M. G. H., 1916-17; House Surg., Free Hosp. for Women, Brookline, 1917; Capt., M. C., U. S. Army, 1917-1919; Associate Prof. Surg., Peiping Union Medical College, Peiping, China, 1920-29; Attend. Orth. Surg., M. G. H.; Instr. in Orthopedic Surg., Harv.; in practice, Boston, Massachusetts.

VAN WAGENEN, WILLIAM P.

A.B., Cornell, 1918; M.D., Harv., 1922; Asst. Anat., Cornell, 1918-19; H. O., Memorial Hosp., N. Y., 1922; *Surg. H. O., P. B. B. H., 1922-24*; Res. Surg., Memorial Hosp., N. Y., 1924-25; *Asst. Res. Surg., P. B. B. H., 1926-27*; Res. Surg., Rochester Gen. Hosp., 1926-27; Asst. in Neurol., Harv. and B. C. H., 1927-28; Asst. Prof. Surg., Univ. of Rochester School of Med.; Assoc. Prof. Surg., *ibid.*

VASTINE, JACOB H.

M.D., Univ. of Pa., 1923; Interne, Easton Hosp., Easton, Pa., 1923-24; Gen. Practice, 1 year; *H. O., X-ray Dept., P. B. B. H., Aug. 1, 1925-Feb. 1, 1926*; *Asst. Res. in Roent., ibid., Feb. 1-June 15, 1926*; Clin. Prof. of Radiology, Woman's Med. Coll., Philadelphia; Roentgenologist, Hosp. of the Woman's Med. Coll.; in practice, Philadelphia, Pennsylvania.

VAUGHAN, WARREN TAYLOR

A.B., Univ. of Mich., 1913; M.D., *ibid.*, 1916; *Med. H. O., P. B. B. H., July 1, 1916-Nov. 7, 1917*; M. C., U. S. Army, Nov. 7, 1917-July 27, 1919; Asst. in Preventive Med. and Hygiene, Harv., 1919-20; Secretary, Assoc. for the Study of Allergy; Editor, *Journ. Lab. and Clin. Med.*; in practice, Richmond, Virginia.

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VERMOOTEN, VINCENT

A.B., Univ. of Capetown, South Africa, 1918; A.M., *ibid.*, 1919; M.D., Johns Hopkins, 1923; Sr. Demonstr. in Anat., Univ. of Capetown, 1918-20; Res. H. O., Johns Hopkins, 1923-24; Asst. Res. Surg., New Haven Hosp., 1924-27; Asst. in Surg., Yale, 1924-27; Asst. in G. U. Surg., Harv.; *Asst. Res. Surg., P. B. B. H.*, 1927-28; Instr. in Urol., Yale Univ., 1928-30; Asst. Prof. Urol., *ibid.*; Assoc. Surg., New Haven Hosp., 1930-33; Hon. Consult. Urol. to the Far East Rand Hosp. and to Krugersdorp Hosp.; in practice, Union of South Africa.

VICKERS, DENVER M.

A.B., Colorado Coll., 1917; M.D., Harv., 1921; *Surg. H. O., P. B. B. H., July, 1921-Nov. 1, 1922*; Surg., Mary McClellan Hosp., Cambridge, New York; in practice, Cambridge, N. Y.

VIETS, HENRY ROUSE

B.S., Dart., 1912; M.D., Harv., 1916; *Surg. H. O., P. B. B. H., March 1-Aug. 16, 1917*; Capt., M. C., U. S. Army, 1917-19; Asst. Neurol., M. G. H.; Asst. Visit. Neurol., Long Island Hosp., Boston; Assoc. in Neurol., Harv.; in practice, Boston.

WAKEMAN, EDWARD T.

B.A., Yale, 1919; M.D., *ibid.*, 1922; *Med. H. O., P. B. B. H., July 1, 1922-Nov. 1, 1923*; Asst. in Pediatrics, 1923-25, Instr. in Pediatrics, 1925-26, Clin. Instr. Pediatrics, 1926-34, Med. Examiner, Dept. Univ. Health, 1926-29, Yale; Attend. Pediatrician, Grace Hosp.; Asst. Attend. Pediatrician, New Haven Hosp. and New Haven Disp.; Asst. Clin. Prof. Pediatrics, Yale.

WALKER, CLIFFORD BLACK

S.B., Univ. of Cal., 1906; Stud., Univ. of Cal. Med. Sch., 1907-10; M.D., Johns Hopkins, 1911; M.D., *ibid.*, 1912; Asst. to Dr. Cushing, 1911-12; Sr. Ophthal. House Surg., Mass. Eye and Ear Infir., Boston, 1913; Sr. Aural House Surg., *ibid.*, 1914; *Assoc. in Surg., P. B. B. H., March 1, 1915-April 25, 1918*; Asst. in Ophthal., Harv., 1916-18; Assoc. Staff, Good Samaritan Hosp. and Good Hope Clin.; Jr. Ophthalmic Surg., Co. Hosp., Los Angeles, Calif.; Assoc. Clin. Prof. Ophthalmology, College of Medical Evangelists; Assoc. Prof. in Ophthalmology (Surg.), Univ. of So. Calif.; in practice, Los Angeles, Calif.

WALKER, JR., GEORGE L.

B.S., Emory Univ., 1924; M.D., *ibid.*, 1926; H. O., Grady Hosp., 1926-27; House Phys., *ibid.*, 1927-28; *Asst. Res. Phys., P. B. B. H., Sept. 1, 1928-Sept. 1, 1929*; Res. Phys., Cornell Div., Bellevue Hosp., N. Y., 1929-31; in practice, Griffin, Georgia.

WALKER, WILLIAM G.

M.D., Univ. of Iowa; 3 months Pathol. Dept., *ibid.*; 1 year Interne, Univ. of Iowa Hosp.; 1 year Clin. Asst., *ibid.*; 2½ months Clin. Microscopy, *ibid.*; Jr. Assoc. in Med., *P. B. B. H.*, Sept. 25, 1922-

REGISTER OF FORMER MEMBERS OF THE STAFF

July 1, 1924; Chief, Med. Serv., Brockton Hosp.; in practice, Brockton, Massachusetts.

WARREN, JR., WILLIAM CHESTER

B.S., Emory Univ.; M.D., *ibid.*; *Surg. H. O., P. B. B. H.*, March 28, 1922-July 1, 1923; Asst. and House Surg., Manhattan Ear, Nose and Throat Hosp., New York, 1923-24; Grad. Stud., Vienna, Austria; Assoc. Instr., O. R. L. Serv., Emory Univ.; in practice, Atlanta, Georgia.

WATKINS, S. SHELTON

A.B., Center Coll. of Ky., 1908; A.M., *ibid.*, 1909; M.D., Johns Hopkins, 1914; Med. and Surg. H. O., Church Home and Infirmary, Baltimore, 1914; *Third Asst. Supt., P. B. B. H.*, May 1, 1914-Jan. 15, 1915; Asst. in Clin. Laryngology, Johns Hopkins; Asst. Disp. Laryngologist, J. H. H.; Asst. Res. Surg., *ibid.*; Mem. of Dr. L. F. Barker's Staff at 1035 No. Calvert St., Baltimore, Md.; Lieut., M. C., U. S. Navy, 1917-19; in practice, Louisville, Kentucky.

WEARN, JOSEPH TRELOAR

B.S., Davidson, 1913; M.D., Harv., 1917; *Med. H. O., P. B. B. H.*, June 15, 1917-June 15, 1918; 1st Lieut., M. C., U. S. Army, 1917-19; *Asst. Res. Phys., P. B. B. H.*, Sept. 1, 1919-Aug. 15, 1921; Instr. in Pharm., Univ. of Penn., 1921-23; Instr. in Med., Harv., 1923-24; Asst. Prof. of Med., *ibid.*; Asst. Phys., Thorndike Lab., B. C. H.; Jr. Visit. Phys., *ibid.*; Assoc. Prof. Med., Harv.; Assoc. Director, Thorndike Lab., B. C. H.; Visit. Phys., B. C. H., 1928-29; Prof. of Med., Western Reserve Univ., Cleveland, Ohio; Director of Med., Lakeside Hosp.

WEGEFARTH, PAUL

A.B., Johns Hopkins, 1908; Stud. of Med., Strassburg and Berlin, Germany, 1909-11; M.D., Johns Hopkins, 1912; *Surg. H. O., P. B. B. H.*, Nov. 1, 1912-March 1, 1914; Res. Phys., Church Home Infirmary, Baltimore, 1914-15; Phys., San Diego, Cal., 1914-17; commissioned 1st Lieut., M. C., Sept., 1917; commissioned Capt., M. C., May, 1918; in practice at San Diego, May, 1919, until December, 1921. *Died March 29, 1923.*

WEISMAN, PAUL GERHARDT

B.S., Univ. of Mich., 1911; M.D., *ibid.*, 1913; H. O., Providence City Hosp. (Contagious Wards), 1914; H. O., R. I. Hosp., 1914-16; *Asst. Res. Phys., P. B. B. H.*, April 1-Aug. 1, 1916; Asst. Res., Union Prot. Infirmary, Baltimore, 1917; Res., *ibid.*, 1917-18; Lieut., M.C., U. S. Army, 1918; in practice, Colfax, Washington.

WELBOURN, MARSHALL AGNEW

B.S., Univ. of Mich., 1913; M.D., *ibid.*, 1915; *Assoc. in Med., P. B. B. H.*, July 1, 1915-March 1, 1916; *Med. H. O., ibid.*, March 1, 1916-July 1, 1917; Capt., M. C., U. S. Army, 1917-19; Instr. in Int. Med., Univ. of Mich., 1919-20; in charge of laboratories, Westlake Hosp.,

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Los Angeles, Calif.; Med. Staff, Selwyn Emmet Graves Mem. Disp., Univ. of Calif.; Attend. Staff, California Lutheran Hosp.; in practice, Los Angeles, California.

WELLER, JR., G. LOUIS

B.A., Johns Hopkins, 1927; M.D., *ibid.*, 1932; *Med. H. O., P. B. B. H., Oct. 15, 1932-Mar. 1, 1934*; Clin. Instr. in Med., George Washington Univ.; in practice, Washington, D. C.

WELLS, GUY

Ph.B., Brown Univ., 1916; M.D., Cornell, 1920; Interne, R. I. Hosp., 1920-22; *Asst. Res. Phys., P. B. B. H., Aug. 1, 1922-March 1, 1924*; Secretary, R. I. State Med. Soc., 1936; in practice, Providence, Rhode Island.

WELLS, WARD STANLEY

S.B., Grinnell, 1909; M.D., Harv., 1916; *Assoc. in Med., P. B. B. H., July 1, 1916-April 8, 1917*; *Med. H. O., ibid., April 8-July 18, 1917*; Major, M. C., U. S. Army, Letterman Gen. Hosp., Presidio of San Francisco, Calif.; Instr. in Clin. Electro-Cardiography, Army Med. Center, Washington, D. C. *Died Oct. 24, 1929, at Manila, P. I.*

WENTWORTH, JOHN ALEXANDER

A.B., Bowdoin, 1909; M.D., Harv., 1913; H. O., Hartford Hosp., Hartford, Conn., 1913-15; *Sr. Med. H. O., P. B. B. H., July 1-Nov. 1, 1915*; Alumni Asst., Clin. Pathol., Harv.; Asst., Harv. Infantile Paralysis Comm., Fall, 1916; *Asst. Res. Phys., P. B. B. H., Nov. 1, 1915-Aug. 1, 1917*; Assoc. Phys., Clifton Springs Sanitarium, New York, 1917-18; 1st Lieut., M. C., U. S. Army, 1918-19; Phys., Clifton Springs Sanitarium, New York, 1919-21; Asst. Phys., Hartford Hosp.; Assoc. Phys., *ibid.*; in practice, Hartford, Connecticut.

WEST, HOWARD FRANK

A.B., Stanford, 1912; M.D., *ibid.*, 1915; Interne, Lane Hosp., San Francisco, 1915-17; *Asst. Res. Phys., P. B. B. H., Sept. 15-Oct. 15, 1917*; *Act. Res. Phys., ibid., Oct. 15, 1917-Jan. 1, 1918*; *Res. Phys., ibid., Jan. 1, 1918-April 15, 1920*; Alumni Asst. in Med., Harv., 1918-20; Assoc. Phys., Diabetic Serv., Children's Hosp., Los Angeles; Assoc. Med. Director, Los Angeles Metabolic Clin.; Staff, St. Vincent Hosp., Los Angeles; Attend. Staff, Hosp. of Good Samaritan; Staff, Cedars of Lebanon and Los Angeles Gen. Hosp.; Clin. Prof. Med., Univ. of So. Calif.; in practice, Los Angeles, Calif.

WHEELER, BANCROFT C.

A.B., Harv., 1920; M.D., *ibid.*, 1924; Surg. H. O., Mass. General Hosp., Sept., 1924-June, 1926; Urol. H. O., Roosevelt Hosp., Jan.-June, 1927; *Asst. Res. Surg., P. B. B. H., 1927-28*; Res. Surg., Mem. Hosp., Worcester, 1928-29; Asst. Visit. Surg., *ibid.*

WHEELER, DANIEL W.

S.B., Knox Coll., 1915; M.D., Rush Med. Coll., 1920; *Asst. Res. Surg., P. B. B. H., June 1, 1921-March 1, 1922*; Fellow in Pathol.,

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Rush Med. Coll., 1920-21; Fellow, Trudeau Foundation, 1922; Asst. Res. Phys., Trudeau Sanatorium, 1923; Asst. Med. Director, Nopeming Sanatorium, Nopeming, Minn., 1924; in practice, Duluth, Minnesota.

WHITAKER, LESTER R.

M.D., Harv., 1923; Surg. H. O., New Haven Hosp., 1923-24; *Assoc. in Surg., P. B. B. H., July 11, 1924-Sept. 1, 1925*; Arthur Tracy Cabot Fellow, Harv., 1924-25; *Asst. Res. Surg., P. B. B. H., Sept. 1, 1925-July 1, 1927*; Nat. Research Council Fellow in Surg., Univ. of Rochester Sch. of Medicine and Dentistry, 1927-28; First Asst. Visit. Surg., Mass. Memorial Hosp.; Instr. in Surg., Boston Univ. Sch. of Med.; in practice, Boston.

WHITE, BENJAMIN V.

A.B., Princeton, 1930; M.D., Harv., 1934; *Med. H. O., P. B. B. H., June 15, 1934-Nov. 1, 1935*; Psychiatric H. O., New Haven Hosp., 1936; Research Fellow in Psychiatry, Harv., 1936-37; Grad. Asst. in Med., M. G. H.

WHITING, WALTER BELKNAP

Two years pre-med. work, Wash. and Lee Univ., and Cornell Summer Sch.; M.D., Harv., 1923; *Med. H. O., P. B. B. H., July 1, 1923-Nov. 1, 1924*; *Asst. Res. Phys., ibid., Nov. 1, 1924-July 1, 1925*; Phys., Wichita Clin. Hosp.; in practice, Wichita Falls, Texas.

WHITNEY, RAYMOND CYRUS

B.S., Middlebury, 1914; M.D., Harv., 1918; *Surg. H. O., P. B. B. H., Jan. 10-Oct. 28, 1918*; American Relief Comm., Near East, Caesarea, Turkey-in-Asia, American Hosp.; H. O., Mass. Eye and Ear Infir., 1920-22; Ophthalmologist, St. Luke's Hosp., New Bedford; in practice (Ophthalmology), New Bedford, Massachusetts.

WILENS, GUSTAV

Ph.B., Yale, 1920; M.D., *ibid.*, 1923; *Pathol. H. O., P. B. B. H., July 1, 1923-July 1, 1924*; Res. Pathol., Children's Hosp., Boston; Instr. in Pathol., Harv., 1924-25; H. O. in Pediatrics, Children's Hosp., Boston, 1926-27; Director of Laboratories, Truesdale Hosp., Fall River, Mass.; Asst. Pediatrician, *ibid.*, Jan.-Sept., 1927; Director of Montgomery Co. Laboratories (Julius Wasserman Mem. and John Barnes Foundation), Montgomery Co., N. Y.; Pathol., City Hosp., St. Mary's Hosp., Amsterdam, N. Y.; Pathol. to Montgomery Co. Tbc. San.; Consultant Pediatrician, *ibid.*, 1930-31; in pediatric practice, Utica, New York.

WILMAERS, ALBERT

M.D., Univ. of Brussels, 1921; Interne, Hospitals of Brussels; 3 months as Asst. to Prof. Vaquez, Paris; worked under Dr. DeMoor and Dr. DeMeyer; Physiol. Inst., Univ. of Brussels; Fellow, C.R.B., Educational Foundation; *Act. Asst. Res. Phys., P. B. B. H., Sept. 15-Nov. 15, 1923*; Asst. in General Path., Univ. of Brussels, 1924-28; in practice, Brussels, Belgium.

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WILSON, CHARLES P.

A.B., Reed Coll., Portland, Oregon, 1920; M.D., Johns Hopkins, 1924; *Med. H. O., P. B. B. H.*, Mar. 1, 1925-July 1, 1926; Asst. Res. Phys., Vanderbilt Univ., Nashville, Tenn., 1926-27; Res. Phys., *ibid.*, 1927-28; Clin. Assoc. in Med., Univ. of Oregon; in practice, Portland, Oregon.

WILSON, DAVID COLE

B.A., Univ. of Va., 1912; M.D., *ibid.*, 1919; Interne, Univ. of Va. Hosp., 1919; *Med. H. O., P. B. B. H.*, Dec. 15, 1919-Mar. 1, 1921; Phys., Clifton Springs San., Clifton Springs, New York, 1921-29; (6 months' study period, Univ. Pa., 1922; 6 months' study period, Johns Hopkins, 1927); Assoc. Prof. Neuro-Psychiatry, Univ. of Virginia.

WILSON, JAMES ROBERT

M.D., Syracuse Univ., 1921; Instr., *ibid.*; Asst. in Pathol., Harv.; Res. Pathol., Children's Hosp., Boston; Instr., Dept. Pathol., Harv.; *Res. Pathol., P. B. B. H.*, Sept. 15, 1923-July 1, 1924; Assoc. in Pediatrics, Cornell Med. School, New York; Asst. Attend. Pediatrician, Out-Patient Dept., New York Nursery and Child's Hosp., New York; Pathologist, *ibid.*; Asst. Attend. Pediatrician, *ibid.*, 1924-29; Asst. Prof. Pediatrics, Syracuse Med. Sch.; Assoc. Attend. Pediatrician, Syracuse Univ. Hosp.; in practice, Syracuse, N. Y.

WILSON, RICHARD B.

B.S., Emory Univ., 1920; M.D., *ibid.*, 1922; H. O., Boston Psycho. Hosp., 1922-23; *Med. H. O., P. B. B. H.*, Mar. 1, 1924-July 1, 1925; Post-Grad. work at Inst. for Brain Anatomy, Amsterdam, Holland, 1925-26; Post-Grad. work in Neuro-Pathol., Hamburg, Fredrichsburg, Germany, 1926-27; Post-grad. work, National Hosp., London, 1928; Res., Neurol. Serv., Bellevue Hosp., N. Y., 1929; Assoc. in Neurol. and Psychiatry, Emory Univ.; in practice (neurology), Atlanta, Ga.

WISLOCKI, GEORGE BERNAYS

A.B., Washington Univ., 1912; M.D., Johns Hopkins, 1916; Asst. in Anat., *ibid.*, 1916-17; Arthur Tracy Cabot Fellow, Harvard, 1916-17; and 1919-20; *Assoc. in Surg., P. B. B. H.*, Mar. 25-Oct. 1, 1920; Assoc. in Anat., Johns Hopkins; Assoc. Prof. of Anat., *ibid.*, 1923-31; Parkman Prof. Anat., Harv.

WOOD, CORNELIUS B.

A.B., Mich. State Univ., 1926; M.D., Univ. of Mich., 1930; Fellow in Pathol., *ibid.*, 1930-31; H. O., Presbyterian Hosp., Chicago, 1931-32; Arthur Tracy Cabot Fellow, Harv., 1932-33; *Jr. Assoc. in Surg., P. B. B. H.*, Aug. 15, 1932-July 1, 1933; Asst. Res. Surg., *P. B. B. H.*, July 1, 1933-November 1, 1934.

WOOD, R. HUGH

M.D., Med. Coll. of Va., 1921; Interne, St. Elizabeth's Hosp., Richmond, Va., 1922; Res. Pathol., Mem. Hosp., Richmond, Va.,

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1922-23; *Med. H. O., P. B. B. H.*, Mar. 1, 1923-July 1, 1924; Chief Res., 1924-26, Instr. in Med., 1925-31, Assoc. in Med., 1931-35, Visiting Phys., Grady Hosp., Atlanta, Ga.; Asst. Visit. Phys., Emory Univ. Hosp.; in practice, Atlanta, Ga.

WOOD, RUSSELL

A.B., Harv., 1916; M.D., *ibid.*, 1920; *Med. H. O., P. B. B. H.*, March 1, 1921-July 1, 1922; Grad. Asst. in Med., M. G. H., 1922; H. O., So. Dept., B. C. H., 1922-23; Visit. Phys., St. Luke's Hosp., New Bedford, Mass.; in practice, New Bedford, Mass.

WOODS, ALAN CHURCHILL

A.B., Johns Hopkins, 1910; M.D., *ibid.*, 1914; *Med. H. O., P. B. B. H.*, July 1, 1914-November 1, 1915; Fellow and Assoc. in Exper. Med. and Asst. in Ophthal., Univ. of Pa.; Major, M. C., U. S. Army, 1917-19; Acting Prof. Ophthal., Johns Hopkins Univ.; Acting Director, Dept. of Ophthalmology and Acting Ophthalmologist-in-Chief, Johns Hopkins Hosp.; in practice (ophthalmology), Baltimore, Md.

WOODWARD, HARRY WHITING

A.B., Bowdoin, 1910; M.D., Harv., 1915; *Surg. H. O., P. B. B. H.*, March 1, 1915-July 1, 1916; H. O., Boston Lying-In Hosp., 1916; Capt., Royal Army Med. Corps; Visit. Staff, Surg. Services, Glockner Hosp. and Sanatorium, Bethel Hosp., Colorado Springs, Colo.; Surg. Consult., Modern Woodmen of America San., Colorado Springs; Surg. Consult., Colo. Coll. Athletic Assoc.; Surg. Staff, St. Francis Hosp.; in practice, Colorado Springs.

WOOLSTON, STEPHEN S.

B.S., Princeton, 1924; M.D., Univ. of Pa., 1929; Interne, Pennsylvania Hosp., 1929; Interne, Protestant Episcopal Hosp., Philadelphia, 1929-31; *Asst. Res. Surg., P. B. B. H.*, January 15, 1932-May 1, 1932.

WOSIKA, PAUL HENRY

B.S., M.D., Northwestern, 1931; M.S. (Med.), *ibid.*, 1936; Interne, Passavant Mem. Hosp., Chicago, 1930; Res. in Gynecology, *ibid.*, 1931; *Asst. Res. Phys., P. B. B. H.*, 1931-33; in charge, Preclinic, Northwestern, 1934-36; Elizabeth Ward Fellow in Med., *ibid.*; Instr. in Med., *ibid.*; in charge, medical clinic, *ibid.*; in practice, Chicago, Ill.

WRIGHT, LESLIE H.

M.D., Univ. of Vt., 1918; H. O., Naval Hosp., Chelsea, 1918-19; Transport Serv., May 1, 1919-September 1, 1919; Asst. Phys., Conn. State Hosp., September, 1919-July, 1920; Private Practice, July, 1920-May, 1922; Pathol., Monson State Hosp., May, 1922-December, 1924; Asst. in Hosp. Adm., Harv. Sch. Public Health, 1927-28; *Second Asst. Supt., P. B. B. H.*, December 1, 1924-December 1, 1927; *First Asst. Supt., ibid.*, December 1, 1927-July 1, 1930; Supt., Genesee Hosp., Rochester, N. Y.

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WRIGHT, MARY

A.B., Vassar, 1911; M.D., Johns Hopkins, 1917; *Med. H. O., P. B. B. H., July 1, 1917-September 17, 1918*; H. O. (Pediatrics), M. G. H., 1918-19; H. O., St. Louis Children's Hosp., 1919; Asst. Res., St. Louis Children's Hosp., 1919-20; Phys. to Children's Med. O. P. D., M. G. H.; Attend. Phys., N. E. Hosp. for Women and Children; in practice, Boston. *Died, January 13, 1927.*

WULFFAERT, FRANZ RENE

B.A., Brussels, 1906; B.S., *ibid.*, 1907; M.D., *ibid.*, 1912; Asst. Phys., St. John's Hosp., Brussels, 1913; Res. Anesthetist, St. Mary's Hosp., London, Eng., 1915; *Pathol. H. O., P. B. B. H., January 15-July 1, 1918*; *Res. Pathol., ibid., July 1, 1918-March 31, 1919*; Asst. in Pathol., Harv., 1918-19; Asst. Surg. (Gynecology), St. John's Hosp., Brussels, 1919-23; Asst. Surg., Univ. Brussels, 1923-25; in practice, Brussels, Belgium.

WYATT, TYREE C.

A.B., Wake-Forest Coll., 1920; M.D., Syracuse Univ., 1922; Dept. of Pathol., *ibid.*, 1922-27; *Med. H. O., P. B. B. H., 1927-28*; H. O., N. Y. Nursery and Child's Hosp., 1929; Attend. Pathol., *ibid.*, 1929-30; Instr. in Pediatrics, Cornell Univ. School of Med., 1930-31; Attend. Pathol. and Asst. Pediatrician, Syracuse Mem. Hosp.; Asst. Prof. Pediatrics, Syracuse Univ.; in practice, Syracuse, N. Y.

WYNN, JAMES

B.S., Indiana Univ., 1917; M.D., *ibid.*, 1919; M.D., *cum laude, ibid.*, 1920; Asst. Res. Phys., *P. B. B. H., July 1, 1920-October 4, 1921*; Alternate on Visit. Staff, Indianapolis City Hosp., Indianapolis; Research Fellow, Indiana Univ. Med. Sch. *Died at Colorado Springs, Colo., December 4, 1931.*

YOAKAM, WAYNE ADDISON

B.S., Denison Univ., 1916; M.D., Harv., 1920; *Surg. H. O., P. B. B. H., July 1, 1920-November 1, 1921*; Obst. H. O., Boston Lying-In Hosp., 1921-22; Henry Ford Hosp., 1922-25; Assoc. Attend. Obstetrician, Providence Hosp. and Herman Keifer Hosp.; in practice, Detroit, Mich.

YOUNG, RICHARD HART

B.S., Univ. of Chicago, 1926; M.A., Univ. of Nebraska, 1930; M.D., *ibid.*, 1930; *Med. H. O., P. B. B. H., July 1, 1930-November 1, 1931*; Neurol. H. O., Bellevue Hosp., N. Y., January-October, 1932; Henry Phipps Psychiatric Clin., Johns Hopkins Hosp., 1932-33; Instr. in Neurol. and Psychiatry, Univ. of Nebraska; in practice, Omaha, Neb.

YOUNGE, PAUL A.

A.B., Univ. of Wis., 1927; M.D., Harv., 1931; *Surg. H. O., P. B. B. H., 1931-32*; Resident, Free Hosp. for Women, Brookline, Mass., 1932-34; Asst. Pathol. and Visit. Surg. to Out-Patients, *ibid.*

Former Voluntary Graduate Assistants

ARMITAGE, GEORGE

M.B., Ch.B., Leeds, 1921; Surg. Tutor, Univ. of Leeds; Rockefeller Foundation Fellow, 1929-30; *P. B. B. H., Surg.*, November 1929-November 1930; Leeds, Englands.

ASHER, ARTHUR GRAHAM

M.D., Rush Medical College, Chicago; *P. B. B. H., Med.*, October 1930-October 1931; Kansas City, Mo.

AYMAN, DAVID

M.D., Harv., 1926; Research Fellow in Med., Harv., 1933-34; *P. B. B. H., Med.*, 1933-34; Boston, Mass.

BAGDASAR, DIMITRI

M.D., Bucharest, 1922; Physician-in-chief, Hospital of Nervous Diseases, Jimbolia; *P. B. B. H., Surg.*, October 1927-October 1928; Jimbolia, Roumania.

BARTRAM, EDWARD ALEXANDER

M.D., Univ. of Western Ontario, London, Canada, 1928; *P. B. B. H., Med.*, October 1931-August 1932; London, Canada.

BELL, DONALD C.

M.D., Columbia, 1914; *P. B. B. H., Med.*, 1923-24; Asst. Clin. Prof. Cleveland, Ohio.

BREMER, FREDERIC

M.D., Univ. of Brussels; C.R.B., Foundation Fellow, 1920; *P. B. B. H., Surg.*, October 1920-April 1921.

BRILL, I. C.

M.D., Columbia, 1914; *P. B. B. H., Med.*, 1923-24; Asst. Clin. Prof. Med., Univ. of Oregon; Portland, Ore.

BROWN, MORTON G.

A.B., Harv., 1927; M.D., *ibid.*, 1931; *P. B. B. H., Med.*, 1933-34; Asst. in Med., Harv.; Asst. Phys., Beth Israel Hosp.; Boston, Mass.

BRUGSCH, HEINRICH

M.D., Berlin, 1927; Fellow of Akademische and Austausch-dients; *P. B. B. H., Med.*, 1929-30; Boston Disp., Boston, Mass.

BRYAN, A. HUGHES

M.D., Harv., 1931; Research Fellow in Med., Harv., 1933-34; *P. B. B. H., Med.*, 1933-34.

COURVILLE, CYRIL B.

M.D., College Med. Evangelists, 1925; Interne, Los Angeles Gen. Hosp.; *P. B. B. H., Surg.*, August 1927-January 1928; Loma Linda, Calif.

PETER BENT BRIGHAM HOSPITAL

DECAMPS, NESTOR

M.D., Brussels, 1925; Fellow of Commission for Relief of Belgium Education Foundation; *P. B. B. H., Med.*, 1926-27.

DECOPPET, GASTON

M.D., Univ. of Berne, 1924; Chef de clinique, Prof. de Quervain's service, Berne; Rockefeller Foundation Fellow, 1929-30; *P. B. B. H., Surg.*, September 1929-August 1930; Inselspital, Berne, Switzerland.

DEERY, EDWIN M.

M.D., Harv., 1926; *P. B. B. H., Surg.*, November 1928-September 1929; New York City.

FANG, I-CHI

M.D., Peiping Union Medical College, 1922; *P. B. B. H., Administration*, 1931.

FINCHER, JR., EDGAR F.

M.D., Emory, 1925; Interne, Piedmont Hosp., 1925-26; *P. B. B. H., Surg.*, June-September 1926; Atlanta, Ga.

FRIED, BORIS M.

M.D., Imperial Nicholas Univ., Saratov, 1914; *P. B. B. H., Surg.*

GARDNER, ALAN C.

B.Ch., Oxon, 1926; F.R.C.S., Eng., 1928; *P. B. B. H., Surg.*, November 1928-January 1929; London Hosp., London, England.

GRANT, FRANCIS C.

M.D., Univ. of Penn., 1919; *P. B. B. H., Surg.*, October 1925-May 1926; Philadelphia, Pa.

GROFF, RICHARD ARMAND

M.D., Univ. of Pennsylvania, 1928; *P. B. B. H., Surg.*, 1931.

HALPENNY, ATTRACTA

L.R.C.S., Royal Coll. Phys. and Surg., Dublin; Purefoy Mem. Scholar, Coll. of Surgs., Dublin; *P. B. B. H., Surg.*, September-December 1929; Dublin, Ireland.

HOLLAND, CLYDE

M.S., C.M., Dalhousie, 1923; Fellow of Rockefeller Foundation; *P. B. B. H., Med.*, 1929-30; Halifax, N. S.

ISAACS, RAPHAEL

M.D., Cincinnati, 1918; *P. B. B. H., Med.*, 1922-23; Asst. Prof. of Medicine, Univ. of Michigan.

KAPLAN, ABRAHAM

M.D., Harvard, 1927; *P. B. B. H., Surg.*, 1931.

KINDALL, LLOYD E.

M.D., Univ. of Colorado, 1913; *P. B. B. H., Urol.*, January-June 1926; Oakland, Calif.

FORMER VOLUNTARY GRADUATE ASSISTANTS

- KOTTKE, ELMER E.
M.D., Northwestern Univ., Chicago; *P. B. B. H., Med.*, October 1930-May 1931; Des Moines, Iowa.
- KREDEL, FREDERICK E.
M.D., Johns Hopkins, 1929; *P. B. B. H., Surg.*, June 15-September 15, 1927; and June 15-September 15, 1928.
- KUBIE, LAWRENCE S.
M.D., Johns Hopkins, 1921; *P. B. B. H., Surg.*, September-October 1927; New York City.
- LAWS, CLARENCE L.
M.D., Emory, 1930; Assistant Resident Physician, Vanderbilt University Hosp., Nashville, Tenn., 1931-32; *P. B. B. H., Med.*, August 1932-May 1933.
- LEE, FERDINAND C.
M.D., Johns Hopkins, 1919; Surg. Interne, September 1919-September 1920; *P. B. B. H., Surg.*, June-September 1923; Baltimore, Md.
- LEHMAN, WALTER
Prof. Surg., Chirurgische Univ. Clin., Göttingen, Germany; *P. B. B. H., Surg.*, January-April 1926.
- LIST, CARL FELIX
M.D., Berlin, Germany, 1926; *P. B. B. H., Surg.*, 1931; Berlin, Germany.
- LYNCH, RALPH
M.D., Pennsylvania, 1923; *P. B. B. H., Med.*, 1927-28; Pittsburgh, Pa.
- MATTON, MARCEL
M.D., Ghent, 1929; Fellow of Commission for Relief of Belgium Education Foundation; *P. B. B. H., Med.*, 1924-25; Ghent, Brussels.
- MEACHEN, JOHN W.
M.D., Harv., 1922; *P. B. B. H., Roentgenology*, 1924; Roentgenologist, Huntington Memorial and Palmer Memorial Hospitals.
- MENTZER, JOHN H.
M.D., Univ. of Pa., 1930; *P. B. B. H., Med.*, 1932-33; Philadelphia, Pa.
- MORELLE, JEAN
M.D., Louvain Univ., 1924; Asst. in Surg., Louvain; C.R.B. Educational Foundation Fellowship, 1925-26; *P. B. B. H., Surg.*, October 1925-June 1926; Louvain, Belg:um.
- MUANGAM, P.
P. B. B. H., Roentgenology, 1927. Sent by Government of Siam for study.
- ODY, FRANCOIS
M.D., Univ. of Geneva, 1922; Chef du second service de chirurgie (au concours) de l'Hopital Cantonal de Geneve; Rockefeller Foundation Fellow, 1930-31; *P. B. B. H., Surg.*, 1930-31.

PETER BENT BRIGHAM HOSPITAL

OLJENICK, IGNATIUS

Med. Docts. Arts, Univ. of Amsterdam, 1911; Rockefeller Foundation Fellow, 1927-29; *P. B. B. H., Surg.*, March 1927-March 1929; Wilhelmina Gasthuis, Amsterdam.

PARKS, ARTHUR E.

M.D., Univ. Toronto, 1930; Vol. Research Worker, Toronto Western Hosp.; *P. B. B. H., Med.*, 1934; Toronto, Canada.

PATTISON, ALFRED RICHARD DENIS

M.B., B.S., Durham, England, 1929; Surg. Registrar, Resident Medical Officer, Royal Victoria Infirmary, Newcastle upon Tyne, England; *P. B. B. H., Surg.*, March-September 1932.

PETIT-DUTAILLIS, DANIEL

Interne and Chef de clinique, Hopitaux de Paris; *P. B. B. H., Surg.*, April 24-June 7, 1930.

REYNOLDS, LLOYD R.

M.D., Stanford, 1919; Surg. Res., Stanford Hosp., 2 yrs.; *P. B. B. H., Surg.*, October 1923-January 1924.

RIVES, JOHANNES

Rockefeller Foundation Fellow, Estonia; *P. B. B. H., Surg.*, 1931.

ROSENBLUM, HAROLD HEBER

M.D., Univ. of California Med. School; *P. B. B. H., Med.*, October 1931-July 1932; San Francisco, Calif.

SCHALTENBRAND, GEORG

M.D., Univ. of Munich, 1923; Rockefeller Foundation Fellow, 1925-27; *P. B. B. H., Surg.*, January 1926-March 1927.

SCHLESINGER, BENNO

Univ. of Vienna, Austria; *P. B. B. H., Surg.*, 1931.

SCIIONBAUER, LEOPOLD

M.D., Univ. of Prague, 1914; Assoc. with Prof. Eiselsberg, Vienna, 5 years; *P. B. B. H., Surg.*, November 1924-January 1925.

SCRIVER, WALTER DE M.

M.D., McGill, 1921; Fellow of National Research Council; *P. B. B. H., Med.*, 1925-26; Montreal, Canada.

SEPPANEN, ANNI DAGMAR

Dr. of Med. and Surg., Helsinki Univ., 1931; *P. B. B. H., Med.*, 1932-33; Helsingfors, Finland.

SHANKS, MAJOR

P. B. B. H., Pathology, 1927; Indian Medical Service.

STAMMERS, F. A. R.

M.B., Ch.B., Univ. of Birmingham, 1923; M.R.C.S., L.R.C.P., England, 1925; Rockefeller Foundation Fellow, 1928-29; *P. B. B. H., Surg.*, October-November 1929; Asst. Surgeon, Birmingham General Hospital, Birmingham, England.

FORMER VOLUNTARY GRADUATE ASSISTANTS

STARR, M. P.

M.D., Rush, 1922; *P. B. B. H., Med.*, 1923-24; Asst. Prof. of Med., Northwestern Univ.; Chicago, Ill.

TAUSSIG, BARRETT

M.D., Washington Univ., 1932; Research Worker, *ibid.*, January-July 1934; *P. B. B. H., Med.*, 1934-35; St. Louis, Mo.

THOMPSON, WILLIAM PAUL

M.D., Harv., 1931; Asst. Res. in Med., New York Hosp., 1933-34; *P. B. B. H., Med.*, 1934-35; Los Angeles, Calif.

VAN DESSEL, ARTHUR

M.D., Univ. of Louvain, 1920; C.R.B., Educational Foundation Fellowship; *P. B. B. H., Surg.*, February 1925-July 1925.

VOTQUENNE, MARIUS

Docteur en Medicine, Chirurgie, Univ. of Brussels, 1933; *P. B. B. H., Surg.*, 1935-36; Brussels, Belgium.

WÖRNER, EDWARD

M.D., Univ. of Munich, Germany; *P. B. B. H., Roentgenology*, 1932; Munich, Germany.

ZEITLIN, ALEXANDER

M.D., Univ. of Warsaw, 1917; Assoc. Surg., Surgical Clin., North Caucasian Univ., Rostov; *P. B. B. H., Surg.*, December 1930-January 1931.

ZUBIRAN, SALVADOR

M.D., Univ. of Mexico, 1923; *P. B. B. H., Med.*, 1923-24; Prof. Public Health, Univ. of Mexico; Mexico City, Mexico.

Register of Former Members of the Corporation

Elected

May	8, 1902	ALEXANDER COCHRANE	Died April 10, 1919
May	8, 1902	EBEN DRAPER	Died April 9, 1914
May	8, 1902	HENRY S. HOWE	Died March 2, 1931
May	8, 1902	WALTER HUNNEWELL	Died September 30, 1921
May	8, 1902	WILLIAM R. TRASK	Died February 1, 1933
May	8, 1902	LAURENCE H. H. JOHNSON	Died June 24, 1934
Oct.	2, 1902	AUGUSTUS HEMENWAY	Resigned September 12, 1919

Appointed

June	16, 1909	*JOHN P. REYNOLDS	Died December 9, 1920
Apr.	15, 1915	CHARLES P. CURTIS	Resigned January 9, 1936
Feb.	7, 1918	FRANCIS L. HIGGINSON	Resigned July 8, 1932
Feb.	7, 1918	CHARLES F. CHOATE, JR.	Resigned March 13, 1924
Dec.	11, 1919	LOUIS A. FROTHINGHAM	Died August 23, 1928
Feb.	12, 1920	WILLIAM H. WELLINGTON	Died February 2, 1925
Mar.	26, 1925	HARRY L. BAILEY	Resigned September 13, 1935
May	14, 1931	CHARLES A. COOLIDGE, JR.	Resigned March 12, 1935

* Appointed by the Governor of Massachusetts.

Officers of the Institution, 1937

President

WILLIAM AMORY

Treasurer

EDMUND D. CODMAN

Secretary

HENRY B. CABOT

MEMBERS OF THE CORPORATION

Appointed

Jan.	5, 1921	WILLIAM AMORY	179 Commonwealth Ave.	Boston
Nov.	8, 1934	HENRY B. CABOT	50 Federal St.	Boston
May	8, 1902	EDMUND D. CODMAN	27 Kilby St.	Boston
June	11, 1936	T. JEFFERSON COOLIDGE	First National Bank, Milk St.	Boston
Mar.	25, 1931	RICHARD C. CURTIS	30 State St.	Boston
Feb.	13, 1936	ROBERT CUTLER	1 Federal St.	Boston
May	14, 1936	RIPLEY L. DANA	1 Federal St.	Boston
Mar.	26, 1925	PAUL E. FITZPATRICK	104 Kingston St.	Boston
June	16, 1909	*IRVIN McD. GARFIELD	30 State St.	Boston
Apr.	13, 1933	THEODORE LYMAN	105 Heath St.	Chestnut Hill
Mar.	27, 1924	RICHARD S. RUSSELL	50 State St.	Boston
July	24, 1936	†JOHN H. WALSH	1040 Main St.	Waltham

STANDING COMMITTEES OF THE CORPORATION

Building Committee

IRVIN McD. GARFIELD, *Chairman* JOHN H. WALSH
HENRY B. CABOT PAUL E. FITZPATRICK

Auditing Committee

THEODORE LYMAN

Committee on Finances

T. JEFFERSON COOLIDGE, *Chairman* RICHARD C. CURTIS
EDMUND D. CODMAN RICHARD S. RUSSELL

Committee on Heat, Light, and Power

ROBERT CUTLER RIPLEY L. DANA
EDMUND D. CODMAN

* Appointed by the Governor of the Commonwealth under an act approved May 8, 1909. Commission expires May 11, 1939.

† Appointed by the Governor of the Commonwealth under an act approved May 8, 1909. Commission expires July 24, 1942.

PETER BENT BRIGHAM HOSPITAL

Committee on Nominations

HENRY B. CABOT

RICHARD C. CURTIS

Committee on Rules

IRVIN McD. GARFIELD

EDMUND D. CODMAN

RICHARD C. CURTIS

Budget Committee

WILLIAM AMORY

EDMUND D. CODMAN

RIPLEY L. DANA

SCHOOL OF NURSING

Advisory Committee

WILLIAM AMORY

HENRY A. CHRISTIAN, M.D.

RIPLEY L. DANA

ELLIOTT C. CUTLER, M.D.

JOSEPH B. HOWLAND, M.D., *Superintendent*

PRES. ADA COMSTOCK

CARRIE M. HALL, R.N., *Principal*

MRS. GEORGE C. SHATTUCK

MRS. COLLINS GRAHAM

LADIES' SOCIAL SERVICE COMMITTEE

MRS. DAVID CHEEVER, *Chairman*

MRS. DONALD MCKAY FROST

MRS. J. A. LOWELL BLAKE,

MRS. F. L. HIGGINSON

Acting Chairman

MRS. JOHN HOMANS

MISS KATHARINE HOMANS, *Secretary*

MRS. LYMAN H. HOYT

MRS. ROGER B. MERRIMAN, *Treasurer*

MRS. WALTER HUNNEWELL

MRS. HARRY C. BLOTNER

MRS. FRANC D. INGRAHAM

MRS. DAVID CHEEVER, JR.

MRS. L. H. H. JOHNSON

MRS. F. D. COCHRANE

MRS. SAMUEL A. LEVINE

MRS. ELLIOTT C. CUTLER

MRS. ROBERT T. MONROE

MRS. GEORGE P. DENNY

MRS. RICHARD C. PAINÉ

MRS. E. STANLEY EMERY, JR.

MRS. MERRILL C. SOSMAN

MRS. REGINALD FITZ

MRS. S. BURT WOLBACH

MRS. F. MURRAY FORBES

MRS. ROBERT ZOLLINGER

VISITING COMMITTEE FOR 1937

THEODORE LYMAN	January
PAUL E. FITZPATRICK.....	February
RICHARD S. RUSSELL.....	March
RICHARD C. CURTIS.....	April
HENRY B. CABOT	May
ROBERT CUTLER	June
EDMUND D. CODMAN.....	July
RIPLEY L. DANA	August
IRVIN McD. GARFIELD.....	September
T. JEFFERSON COOLIDGE	October
WILLIAM AMORY	November
JOHN H. WALSH	December

OFFICERS OF THE INSTITUTION

EXECUTIVE COMMITTEE OF THE STAFF

HENRY A. CHRISTIAN, M.D. S. BURT WOLBACH, M.D.
ELLIOTT C. CUTLER, M.D. JOSEPH B. HOWLAND, M.D., *Secretary*

ADMINISTRATIVE DEPARTMENT

Superintendent

Service began
May 1, 1919 JOSEPH B. HOWLAND, M.D.

Assistant Superintendents

Mar. 5, 1934 WILSON W. KNOWLTON, M.D.
Apr. 8, 1937 WINTHROP B. OSGOOD, M.D.

Executive Assistant

June 18, 1935 EVA McCOMB THOMAS, R.N.

BOARD OF CONSULTATION

Appointed

Mar. 25, 1912	WALTER B. CANNON, M.D., <i>Consulting Physiologist</i>
Mar. 8, 1928	GEORGE R. MINOT, M.D., <i>Consulting Physician</i>
Apr. 12, 1923	HANS ZINSSER, M.D., <i>Consulting Bacteriologist</i>
Oct. 13, 1932	FRANK R. OBER, M.D., <i>Consulting Orthopedic Surgeon</i>
Oct. 13, 1932	E. LAWRENCE OLIVER, M.D., <i>Consulting Dermatologist</i>
Jan. 1, 1933	CHANNING FROTHINGHAM, M.D., <i>Consulting Physician</i>
Jan. 1, 1933	LEROY M. S. MINER, D.M.D., <i>Consulting Dental Surgeon</i>
Mar. 8, 1934	J. HERBERT WAITE, M.D., <i>Consulting Ophthalmologist</i>
Oct. 10, 1935	A. BAIRD HASTINGS, Ph.D., <i>Consulting Chemist</i>
Sept. 1, 1936	REGINALD FITZ, M.D., <i>Consulting Physician</i>

MEDICAL DEPARTMENT

Service began

May 1, 1912	HENRY A. CHRISTIAN, M.D., <i>Physician-in-Chief</i>
Sept. 1, 1934	MARSHALL N. FULTON, M.D., <i>Physician</i>
Sept. 1, 1935	C. SIDNEY BURWELL, M.D., <i>Physician</i>
Sept. 1, 1935	ROBERT T. MONROE, M.D., <i>Physician</i>
July 1, 1915	JAMES P. O'HARE, M.D., <i>Senior Associate in Medicine</i>
Aug. 8, 1919	SAMUEL A. LEVINE, M.D., <i>Senior Associate in Medicine</i>
May 24, 1928	JOSEPH C. AUB, M.D., <i>Senior Associate in Medicine</i>
Jan. 24, 1935	WILLIAM P. MURPHY, M.D., <i>Senior Associate in Medicine</i>
Sept. 1, 1935	CLIFFORD L. DERICK, M.D., <i>Senior Associate in Medicine</i>
Dec. 12, 1912	NATHANIEL K. WOOD, M.D., <i>Associate in Medicine</i>
July 1, 1915	GEORGE P. DENNY, M.D., <i>Associate in Medicine</i>
Sept. 1, 1915	I. CHANDLER WALKER, M.D., <i>Associate in Medicine</i>
Sept. 12, 1919	DONALD J. MACPHERSON, M.D., <i>Associate in Medicine</i>
Nov. 12, 1925	GUSTAVE P. GRABFIELD, M.D., <i>Associate in Medicine</i>

PETER BENT BRIGHAM HOSPITAL

Service began

May 10, 1926	EDWARD S. EMERY, JR., M.D., <i>Associate in Medicine</i>
Jan. 1, 1934	F. WILLIAM MARLOW, JR., M.D., <i>Associate in Medicine</i>
Jan. 1, 1934	HARRY H. BLOTNER, M.D., <i>Associate in Medicine</i>
May 9, 1935	LYMAN H. HOYT, M.D., <i>Associate in Medicine</i>
Dec. 10, 1936	JOHN M. FLYNN, M.D., <i>Associate in Medicine</i>
Dec. 10, 1936	WILLIAM T. SALTER, M.D., <i>Associate in Medicine</i>
Oct. 26, 1933	EARLE A. HARVEY, M.D., <i>Junior Associate in Medicine</i>
Oct. 11, 1934	DAVID L. HALBERSLEBEN, M.D., <i>Junior Associate in Medicine</i>
Oct. 11, 1934	CHARLES F. WALCOTT, M.D., <i>Junior Associate in Medicine</i>
Nov. 1, 1935	HARRY A. WARREN, M.D., <i>Junior Associate in Medicine</i>
Jan. 23, 1936	GEORGE W. LYNCH, M.D., <i>Junior Associate in Medicine</i>
Aug. 1, 1936	ANDREW W. CONTRATTO, M.D., <i>Junior Associate in Medicine</i>
Oct. 8, 1936	ROBERT FLEMING, M.D., <i>Junior Associate in Medicine</i>
Oct. 8, 1936	HARRY B. FRIEDGOOD, M.D., <i>Junior Associate in Medicine</i>
Aug. 1, 1936	MAURICE A. SCHNITKER, M.D., <i>Resident Physician</i>
Aug. 1, 1935	HAROLD M. MARQUIS, M.D., <i>Assistant Resident Physician</i>
Mar. 1, 1936	JAMES A. KENNEDY, M.D., <i>Assistant Resident Physician</i>
July 1, 1936	JOHN B. ALSEVER, M.D., <i>Assistant Resident Physician</i>
Aug. 1, 1936	EDWARD MASSIE, M.D., <i>Assistant Resident Physician</i>
Sept. 1, 1936	JOHN A. BOONE, M.D., <i>Assistant Resident Physician</i>
Nov. 1, 1936	DALE G. FRIEND, M.D., <i>Assistant Resident Physician</i>
Jan. 1, 1937	ALFRED W. HARRIS, M.D., <i>Assistant Resident Physician</i>

SURGICAL DEPARTMENT

Service began

Sept. 1, 1932	ELLIOTT C. CUTLER, M.D., <i>Surgeon-in-Chief</i>
Oct. 13, 1932	HARVEY CUSHING, M.D., <i>Surgeon-in-Chief Emeritus</i>
May 1, 1912	JOHN HOMANS, M.D., <i>Surgeon</i>
Oct. 1, 1912	DAVID CHEEVER, M.D., <i>Surgeon</i>
June 19, 1916	WILLIAM C. QUINBY, M.D., <i>Urological Surgeon</i>
Mar. 26, 1936	FRANK R. OBER, M.D., <i>Orthopedic Surgeon</i>
Jan. 9, 1936	LYMAN G. RICHARDS, M.D., <i>Otolaryngologist</i>
June 15, 1924	FRANCIS C. NEWTON, M.D., <i>Senior Associate in Surgery</i>
Mar. 8, 1934	TRYGVE GUNDERSON, M.D., <i>Associate in Ophthalmology</i>
Oct. 7, 1929	MOSES S. STROCK, D.M.D., <i>Dental Surgeon</i>
Jan. 14, 1937	HARLAN F. NEWTON, M.D., <i>Associate in Surgery</i>
May 1, 1933	WILLIAM T. GREEN, M.D., <i>Junior Associate in Orthopedic Surgery</i>
Oct. 26, 1933	ALBERT H. BREWSTER, M.D., <i>Junior Associate in Orthopedic Surgery</i>
July 1, 1934	ROBERT ZOLLINGER, M.D., <i>Junior Associate in Surgery</i>
Oct. 10, 1935	FLETCHER H. COLBY, M.D., <i>Junior Associate in Urological Surgery</i>
Dec. 13, 1934	GEORGE F. WILKINS, M.D., <i>Junior Associate in Surgery</i>
Mar. 28, 1935	LEE G. KENDALL, M.D., <i>Junior Associate in Surgery</i>

OFFICERS OF THE INSTITUTION

Service began

July 14, 1936	JOHN L. KEELEY, M.D., <i>Junior Associate in Surgery</i>
Nov. 12, 1936	LESLIE VAN RAALTE, M.D., <i>Junior Associate in Surgery</i>
Dec. 1, 1936	CHARLES D. BRANCH, M.D., <i>Junior Associate in Surgery</i>
Oct. 8, 1936	HARRY STONE, D.M.D., <i>Junior Associate in Dental Surgery</i>
Aug. 1, 1936	MICHEL PIJOAN, M.D., <i>Harvey Cushing Fellow</i>
Dec. 1, 1936	JOHN E. DUNPHY, M.D., <i>Resident Surgeon</i>
June 15, 1935	J. HARTWELL HARRISON, M.D., <i>Urological Fellow</i>
Mar. 1, 1936	CARL W. WALTER, M.D., <i>Assistant Resident Surgeon</i>
July 1, 1936	THOMAS B. QUIGLEY, M.D., <i>Assistant Resident Surgeon</i>
Nov. 1, 1936	RICHARD WARREN, M.D., <i>Assistant Resident Surgeon</i>
Mar. 1, 1937	BENJAMIN REITER, M.D., <i>Assistant Resident Surgeon</i>

PATHOLOGICAL DEPARTMENT

Service began

Dec. 1, 1916	S. BURT WOLBACH, M.D., <i>Pathologist</i>
Nov. 1, 1935	ORVILLE T. BAILEY, M.D., <i>Resident Pathologist</i>

ROENTGENOLOGICAL DEPARTMENT

Service began

May 15, 1922	MERRILL C. SOSMAN, M.D., <i>Roentgenologist</i>
Jan. 12, 1928	EDWARD C. VOGT, M.D., <i>Associate in Roentgenology</i>
Sept. 8, 1933	HUGH F. HARE, M.D., <i>Associate in Roentgenology</i>
July 1, 1935	WILLIAM N. MYHRE, M.D., <i>Assistant Resident in Roentgenology</i>
July 1, 1936	JOHN C. LARKIN, M.D., <i>Assistant Resident in Roentgenology</i>
Nov. 1, 1936	CHARLES B. KIMMEL, M.D., <i>Junior Assistant Resident in Roentgenology</i>

MEDICAL HOUSE OFFICERS

Service began

		<i>Service ended</i>
Nov. 1, 1934	JAMES A. KENNEDY, M.D.....	Mar. 1, 1936
Nov. 1, 1934	SAMUEL J. KING, M.D.....	Mar. 1, 1936
Nov. 1, 1934	JOHN A. BOONE, M.D.....	Mar. 1, 1936
Mar. 1, 1935	JOHN B. ALSEVER, M.D.....	July 1, 1936
Mar. 1, 1935	GARRETT L. SULLIVAN, JR., M.D.....	July 1, 1936
Mar. 1, 1935	LAWRENCE E. PUTNAM, M.D.....	July 1, 1936
June 15, 1935	STANLEY KIMBALL, M.D.....	Mar. 1, 1937
June 15, 1935	ARTHUR L. WATKINS, M.D.....	Mar. 1, 1937
June 15, 1935	JOSEPH L. MILLER, JR., M.D.....	Mar. 1, 1937

Service began

		<i>Service will end</i>
Oct. 15, 1935	RICHARD H. LYONS, M.D.....	July 1, 1937
Oct. 15, 1935	CHARLES P. ROBERTS, M.D.....	July 1, 1937
Oct. 15, 1935	CHARLES BRENNER, M.D.....	July 1, 1937
Oct. 15, 1935	WILLIAM J. CLAUSER, M.D.....	Nov. 1, 1936
Oct. 15, 1935	CHARLES B. KIMMEL, M.D.....	Nov. 1, 1936

PETER BENT BRIGHAM HOSPITAL

<i>Service began</i>		<i>Service will end</i>
Oct. 15, 1935	DALE G. FRIEND, M.D.....	Nov. 1, 1936
Feb. 15, 1936	JAMES E. ROBERTSON, M.D.....	Nov. 1, 1937
Feb. 15, 1936	ARTHUR J. HADLER, M.D.....	Nov. 1, 1937
Feb. 15, 1936	ROY L. SWANK, M.D.....	Nov. 1, 1937
June 15, 1936	MILTON R. WEED, M.D.....	Mar. 1, 1938
June 15, 1936	MAX KUTZER, M.D.....	Mar. 1, 1938
June 15, 1936	GEORGE H. REIFENSTEIN, M.D.....	Mar. 1, 1938
Oct. 15, 1936	WILLIAM C. MCCLURE, M.D.....	July 1, 1938
Oct. 15, 1936	RICHARD N. TILLMAN, M.D.....	July 1, 1938
Oct. 15, 1936	FRANCIS J. BROWN, M.D.....	July 1, 1938
Feb. 15, 1937	KARL SHEPARD, M.D.....	Nov. 1, 1938
Feb. 15, 1937	JOHN B. O'CONNOR, M.D.....	Nov. 1, 1938
Feb. 15, 1937	EDWARD J. WELCH, M.D.....	Nov. 1, 1938

SURGICAL HOUSE OFFICERS

<i>Service began</i>		<i>Service ended</i>
Nov. 1, 1934	RICHARD C. DURANT, M.D.....	Mar. 1, 1936
Nov. 1, 1934	ROBERT R. BATES, M.D.....	Mar. 1, 1936
Mar. 1, 1935	FREDERICK M. ANDERSON, M.D.....	July 1, 1936
Mar. 1, 1935	RICHARD L. PETERSON, M.D.....	July 1, 1936
June 15, 1935	DONALD T. HALL, M.D.....	Nov. 1, 1936
June 15, 1935	WILLIAM I. ABELL, JR., M.D.....	Nov. 1, 1936
July 1, 1935	PAUL F. JARRETT, D.M.D.....	July 1, 1936
Oct. 15, 1935	ARCHIBALD W. DIACK, M.D.....	Mar. 1, 1937
Oct. 15, 1935	ROBERT D. WHITFIELD, M.D.....	May 1, 1937
Feb. 15, 1936	JOHN F. BELL, M.D.....	Oct. 1, 1937
Feb. 15, 1936	RICHARD T. MUNCE, M.D.....	July 1, 1937
June 15, 1936	STANLEY O. HOERR, M.D.....	Feb. 1, 1938
June 15, 1936	FRANKLYN D. BURGER, M.D.....	Dec. 1, 1937
July 1, 1936	FREMONT R. BROOKS, D.M.D.....	July 1, 1937
Oct. 15, 1936	JAMES B. BLODGETT, M.D.....	Mar. 1, 1938

COMBINED PETER BENT BRIGHAM-CHILDREN'S HOSPITAL SERVICE

<i>Service began</i>		<i>Service will end</i>
Oct. 15, 1936	CLAIRE F. GOERINGER, M.D.....	Mar. 1, 1939
Mar. 1, 1937	JOHN H. KENNARD, M.D.....	Aug. 1, 1939

PATHOLOGICAL HOUSE OFFICERS

<i>Service began</i>	
July 1, 1936	LEWIS E. RECTOR, M.D.
Jan. 1, 1937	GEORGE D. KANE, M.D.

OFFICERS OF THE INSTITUTION

SCHOOL OF NURSING

*Superintendent of Nurses and
Principal of the School of Nursing*

Service began

July 1, 1912 CARRIE M. HALL, R.N.

Assistant Superintendent of Nurses

Nov. 18, 1936 NELL A. HOSTETLER, A.B., R.N.

Instructor in Theory

Sept. 3, 1935 ELSIE L. CAMPBELL, B.S., R.N.

Instructor in Practice

Sept. 1, 1936 EUNICE I. AMES, R.N.

Instructor in Operating Room Technique

Apr. 26, 1934 LORNA C. DILL, R.N.

Supervisors

Sept. 6, 1932 FRANCES M. DAGGETT, R.N.

Sept. 1, 1936 HELEN L. AIKINS, R.N.

Oct. 13, 1927 RACHEL T. ADAMS, R.N.

Nov. 20, 1932 CATHERINE RICHARDS, R.N.

Night Supervisors

Feb. 17, 1936 ROBERTA M. CANNAWAY, R.N.

Feb. 17, 1936 MARY E. THOMPSON, R.N.

Chief—Social Service Department

Aug. 17, 1914 ALICE M. CHENEY, R.N.

Dietitian

Aug. 1, 1931 GERTRUDE McDONALD, B.S.

Apothecary

Dec. 2, 1912 HARRY H. COMAN

Clerk

Apr. 29, 1912 LIDA E. CRAWFORD

Record Librarians

House Records

June 16, 1922 EDITH M. ROBBINS

Out-Patient Records

Sept. 1, 1934 PAULINE E. SMITH

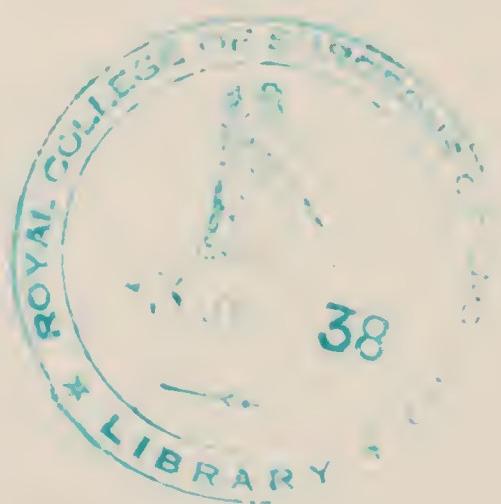
PETER BENT BRIGHAM HOSPITAL

Housekeeper

Service began
Sept. 1, 1933 ANN M. LEWIS

Chief—Mechanical Departments

Oct. 21, 1911 JOHN A. AITKEN



FORM OF BEQUEST

*I give and bequeath to the Peter Bent Brigham Hospital, a Corporation established under the laws of the Commonwealth of Massachusetts, the sum of dollars,
the same to be used for the furtherance of its charitable work.*

PURCHASING BUREAU
BOSTON COUNCIL OF SOCIAL AGENCIES